

CDP-338ESD / 608ESD

SERVICE MANUAL

US Model

Canadian Model

CDP-608ESD

AEP Model

UK Model

E Model

CDP-338ESD



This photo is CDP-338ESD

SPECIFICATIONS

Compact disc player

Frequency response	2 Hz - 20 kHz ± 0.5 dB (CDP-338ESD) 2 Hz - 20 kHz ± 0.3 dB (CDP-608ESD)
Signal to noise ratio	More than 113 dB
Dynamic range	More than 100 dB
Harmonic distortion	Less than 0.0022%
Channel separation	More than 110 dB

Outputs

LINE OUT (FIXED) (phono jacks)	Output level 2 V (at 50 kilohms) Load impedance over 10 kilohms
LINE OUT (VARIABLE) (phono jacks)	Output level max. 2 V (at 50 kilohms) Load impedance over 50 kilohms
DIGITAL OUT (COAXIAL) (cable)	Output level max. 0.5 Vp-p Load impedance 75 ohms
DIGITAL OUT (OPTICAL) (optical output connector)	Wave length 660 nm Output level -18 dBm
HEADPHONES (stereo phone jack)	Output level max. 28 mW Load impedance 32 ohms

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT
À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

Model Name Using Similar Mechanism	New
CD Transport Mechanism Type	KSS-151A
Optical Pick-Up Block Type	BU-6B

General

Power requirements	AEP Model: (CDP-338ESD) 220 V AC (or 240 V AC adjustable by Sony personnel), 50/60 Hz UK Model: (CDP-338ESD) 240 V AC (or 220 V AC adjustable by Sony personnel), 50/60 Hz US, Canadian Model: (CDP-608ESD) 120 V AC, 60Hz E Model: (CDP-338ESD) 110, 120, 220 or 240 V AC adjustable, 50/60 Hz
Power consumption	27 W
Dimensions (approx., including projections)	470×125×375 mm (w/h/d) (18 ⁵ / ₈ ×5×14 ⁷ / ₈ inches)
Weight (approx.)	12.5 kg (27 lbs 11 oz)

— continued on next page —

COMPACT DISC PLAYER
SONY[®]

TABLE OF CONTENTS

Remote commander

Remote control system	Infrared control
Power requirements	3 V DC with two batteries size AA (IEC designation R6)
Dimensions	67×20×175 mm (w/h/d) (2 ³ /4×1 ³ /16×7 inches)
Weight	135 g (4.7 oz) Including batteries

Supplied accessories

Connecting cord	1 (2 phono plugs ↔ 2 phono plugs)
Remote commander	1
Size AA batteries	2
Screws	4

Design and specifications subject to change without notice.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

<u>Section</u>	<u>Title</u>	<u>Page</u>
1. GENERAL		
1-1. Location of Controls	3	
2. ELECTRICAL ADJUSTMENTS	4	
3. DIAGRAMS		
3-1. Circuit Boards Location	7	
3-2. Printed Wiring Boards	9	
3-3. Schematic Diagram	13	
3-4. Semiconductor Lead Layouts	18	
4. EXPLODED VIEWS		
4-1. Cover Section	21	
4-2. Front Panel Section	22	
4-3. Chassis Section	23	
4-4. Mechanism Section	24	
4-5. Optical Pick-Up Block Section	25	
5. ELECTRICAL PARTS LIST	26	

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

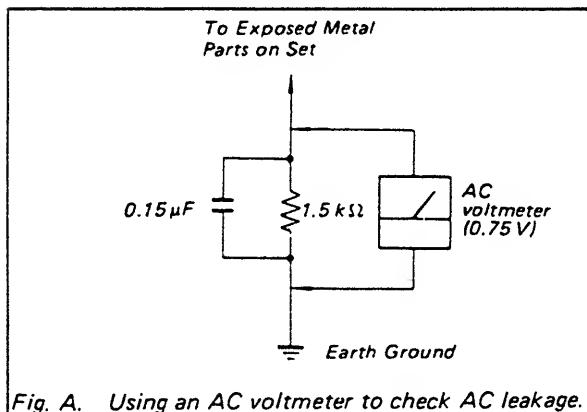


Fig. A. Using an AC voltmeter to check AC leakage.

SERVICING NOTE**NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT**

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

CAUTION

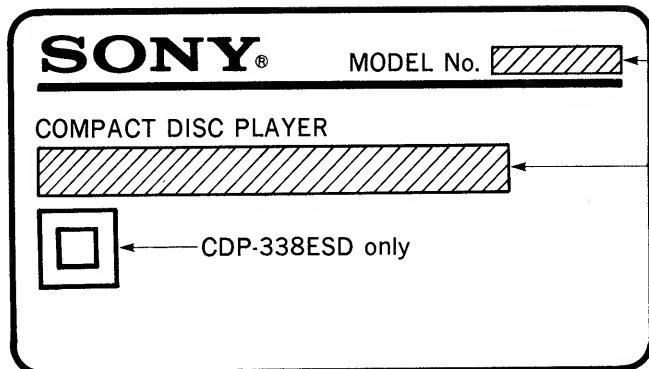
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

MODEL IDENTIFICATION

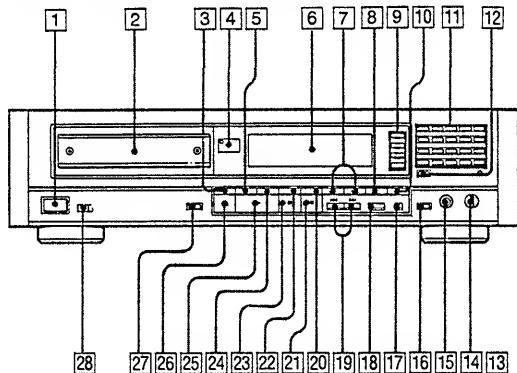
— Label Model Number —



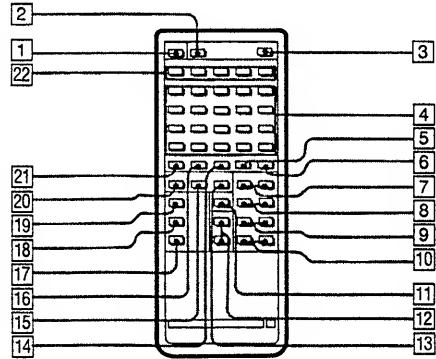
CDP-338ESD
 CDP-608ESD
 US model ; AC:120V 60Hz 27W
 Canadian model ; AC:120V 60Hz 27W
 AEP model ; AC:220V~50/60Hz 27W
 UK model ; AC:240V~50/60Hz 27W
 E model ; AC:110, 120, 220, 240V~50/60Hz 27W

SECTION 1 GENERAL

1-1. LOCATION OF CONTROLS



- 1 POWER switch
- 2 Disc tray
- 3 TIME/MEMO button
- 4 Remote sensor
- 5 AUTO SPACE (auto space) button
- 6 Display window
- 7 \blacktriangleleft \triangleright (manual search) buttons
- 8 CHECK (program check) button
- 9 PLAY MODE buttons
- PROGRAM button
- SHUFFLE button
- CONTINUE/SINGLE button
- CUSTOM INDEX button
- CLEAR (program clear) button
- Numeric buttons
- >20 (over 20) button
- DISPLAY ON/OFF button
- LINE OUT/PHONE LEVEL control
- HEADPHONES jack
- EDIT/TIME FADE button
- ERASE (memory erase) button
- FILE (custom file) button
- \blacktriangleleft \triangleright (AMS*) buttons
- FILE RECALL button
- (stop) button
- FADER (fade in/fade out) button
- (pause) button
- REPEAT button
- (play) button
- ▲ (open/close) button
- DIGITAL OUTPUT ON/OFF button
- Timer switch



- 1 ▲ (open/close) button
- 2 FILE RECALL button
- 3 DISPLAY ON/OFF button
- 4 Numeric buttons
- 5 ERASE button
- 6 FILE (custom file) button
- 7 \blacktriangleleft \triangleright AMS buttons
- 8 \blacktriangleleft \blacktriangleright INDEX buttons
- 9 \blacktriangleleft \triangleright (manual search) buttons
- 10 \blacktriangleleft \triangleright SLOW (low speed manual search) buttons
- 11 FADER (fade in/fade out) button
- 12 LINE OUT VOLUME (line out/headphone volume) buttons
- 13 TIME button
- 14 CLEAR (program clear) button
- 15 A \rightarrow B repeat button
- 16 CHECK button
- 17 ■ (stop) button
- 18 ■ (pause) button
- 19 ► (play) button
- 20 CLEAR/REPEAT (A \rightarrow B repeat clear/repeat) button
- 21 >20 (over 20) button
- 22 PLAY MODE buttons
- PGM (program button)
- SHUFFLE button
- CONTINUE button
- SINGLE button
- C. INDEX button

*AMS is the abbreviation of Automatic Music Sensor.

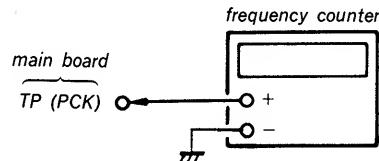
SECTION 2

ELECTRICAL ADJUSTMENTS

1. Perform adjustments in the order given.
2. Use YEDS-18 (Part No : 3-702-101-01) disc unless otherwise indicated.
3. Use the oscilloscope with more than $10 \text{ M}\Omega$ impedance.

RF PLL Frequency Adjustment

Procedure :

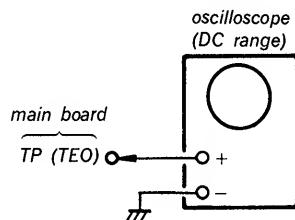


1. Connect the frequency counter to test point TP (PCK).
2. Turn POWER switch on.
3. Adjust RV201 so that the reading on the frequency counter is $4.3218\text{MHz} \pm 30\text{kHz}$
4. Put disc (YEDS-18) in and press \triangleright button.
5. Confirm that the reading on frequency counter is 4.3218MHz .

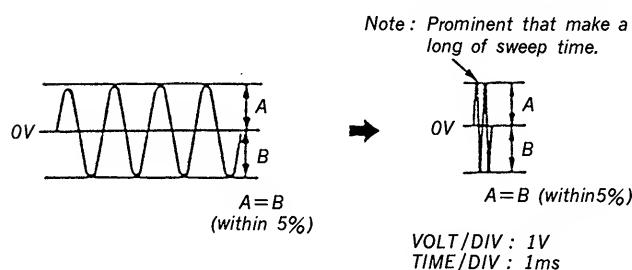
E-F Balance Adjustment

This adjustment should be made when replacing TOP (T-type Optical Pick-up).

Procedure :



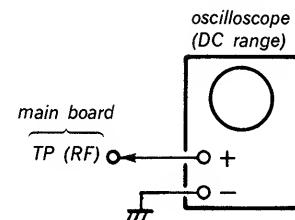
1. Connect oscilloscope to test point TP (TEO).
2. Connect test point TP (ADJ) and test point TP (TES) to ground with lead wire.
3. Turn POWER switch on.
4. Put disc (YEDS-18) in and press \triangleright button.
5. Adjust RV101 so that the traverse waveform is symmetrical above and below.
6. After adjustment, remove the lead wire connected in step 5.



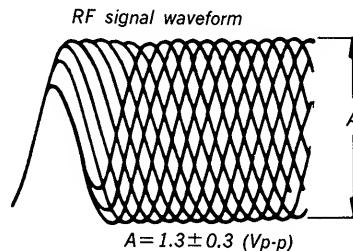
Focus Bias Adjustment

This adjustment should be made when replacing TOP (T-type Optical Pick-up).

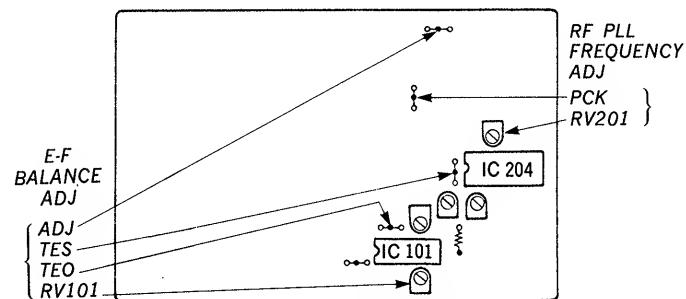
Procedure :



1. Connect oscilloscope to test point TP (RF).
2. Turn POWER switch on.
3. Put disc (YEDS-18) in and press \triangleright button.
4. Adjust RV104 for an optimum waveform eye pattern or so that the peak is maximum. Optimum eye pattern means that shape "◇" can be clearly distinguished at the center of the waveform.



Adjustment Location :main board



SECTION 3 DIAGRAMS

REFERENCE

Focus/Tracking Gain Adjustments

A frequency response analyzer is necessary in order to perform this adjustment exactly.

However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.

Focus/tracking gain determines the pick-up follow up (vertical and horizontal) relative to mechanical noise and shock when the 2-axis device operate.

However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

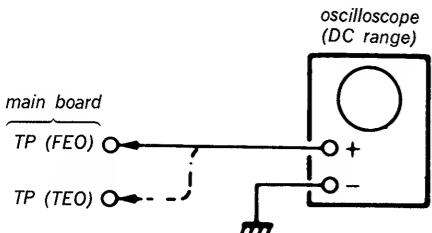
Symptoms	Gain	Focus	Tracking
• The time until music starts becomes longer for ■ → ▶ or automatic selection. (◀◀, ▶▶ buttons pressed.) (Normally tapes about 1 seconds.)	low	low or high	
• Music does not start and disc continues to rotate for ■ → ▶ or automatic selection. (◀◀, ▶▶ buttons pressed.)	—	low	
• Disc table opens shortly after ■ → ▶.	low or high	—	
• Sound is interrupted during PLAY or time counter display stops progressing.	—	low	
• More noise during 2-axis device operation.	high	high	

The following is a simple adjustment method.

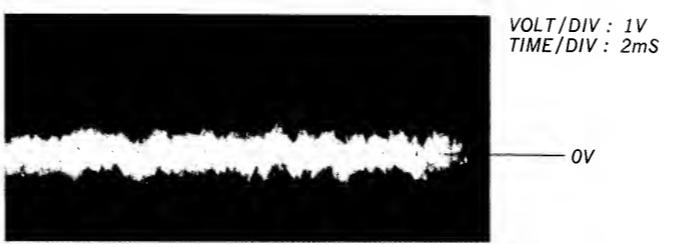
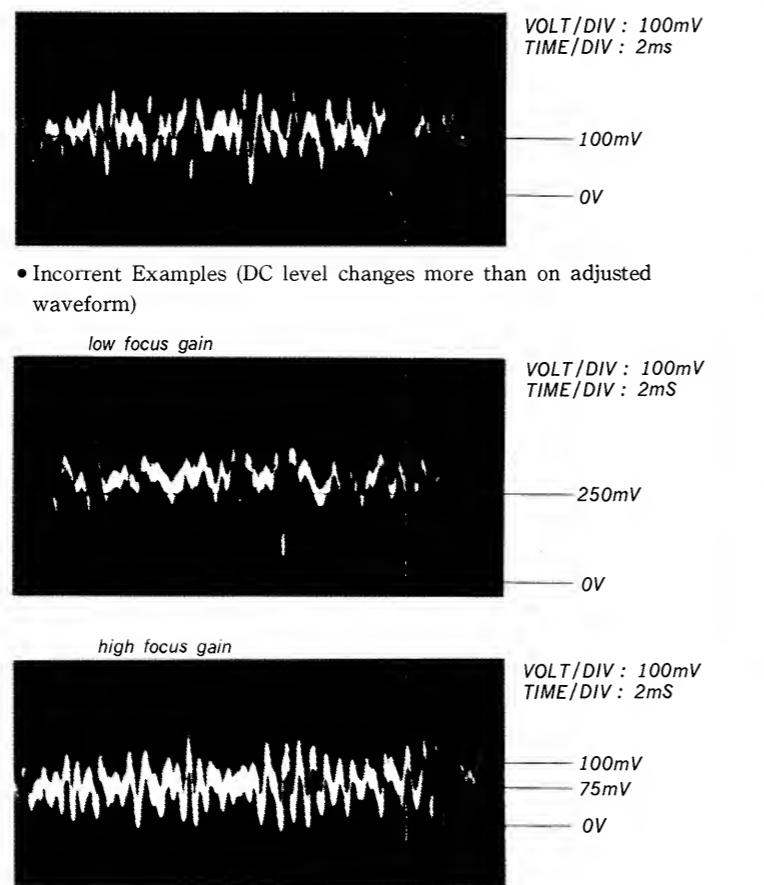
—Primary Adjustment—

Note : Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment. If the position after the primary adjustment are only a little different, return the controls to the original position.

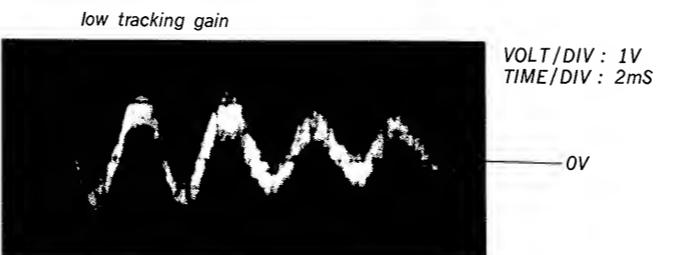
Procedure :



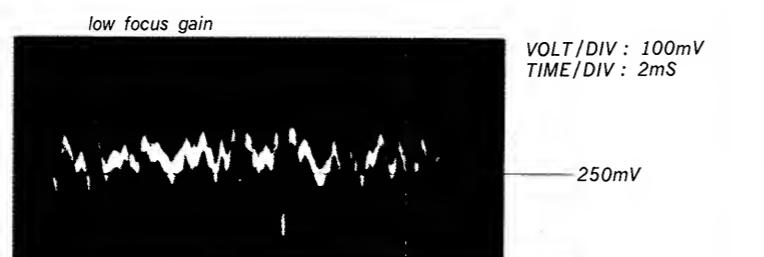
1. Keep the set horizontal.
(If the set is not horizontal, this adjustment cannot be performed due to the gravity against the 2-axis device.)
2. Insert disc (YEDS-18 : Fifth Selection) and press ▶ button.
3. Connect oscilloscope to main board TP (FEO).
4. Adjust RV103 so that the waveform is as shown in the figure below. (focus gain adjustment)
5. Connect oscilloscope to main board TP (TEO).
6. Adjust RV102 so that the waveform is as shown in the figure below. (tracking gain adjustment)



• Incorrect Examples (fundamental wave appears)



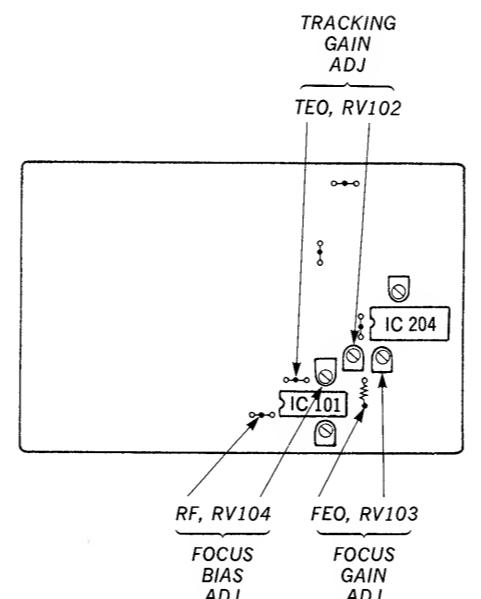
• Incorrect Examples (DC level changes more than on adjusted waveform)



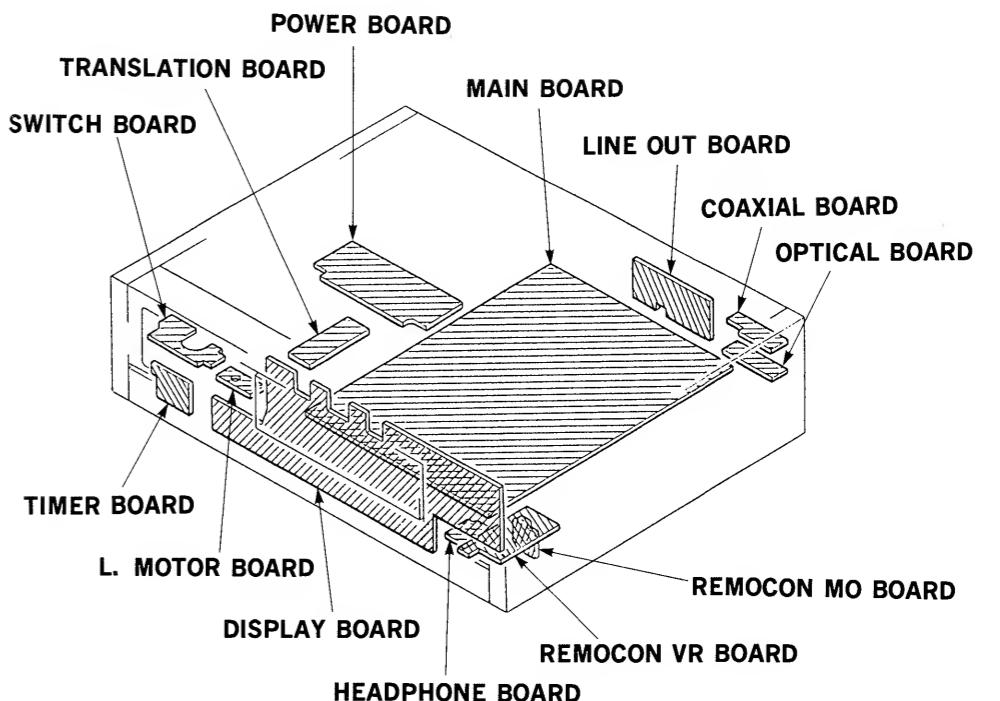
high tracking gain
(higher fundamental wave than for low gain)



Adjustment Location : main board



3-1. CIRCUIT BOARDS LOCATION

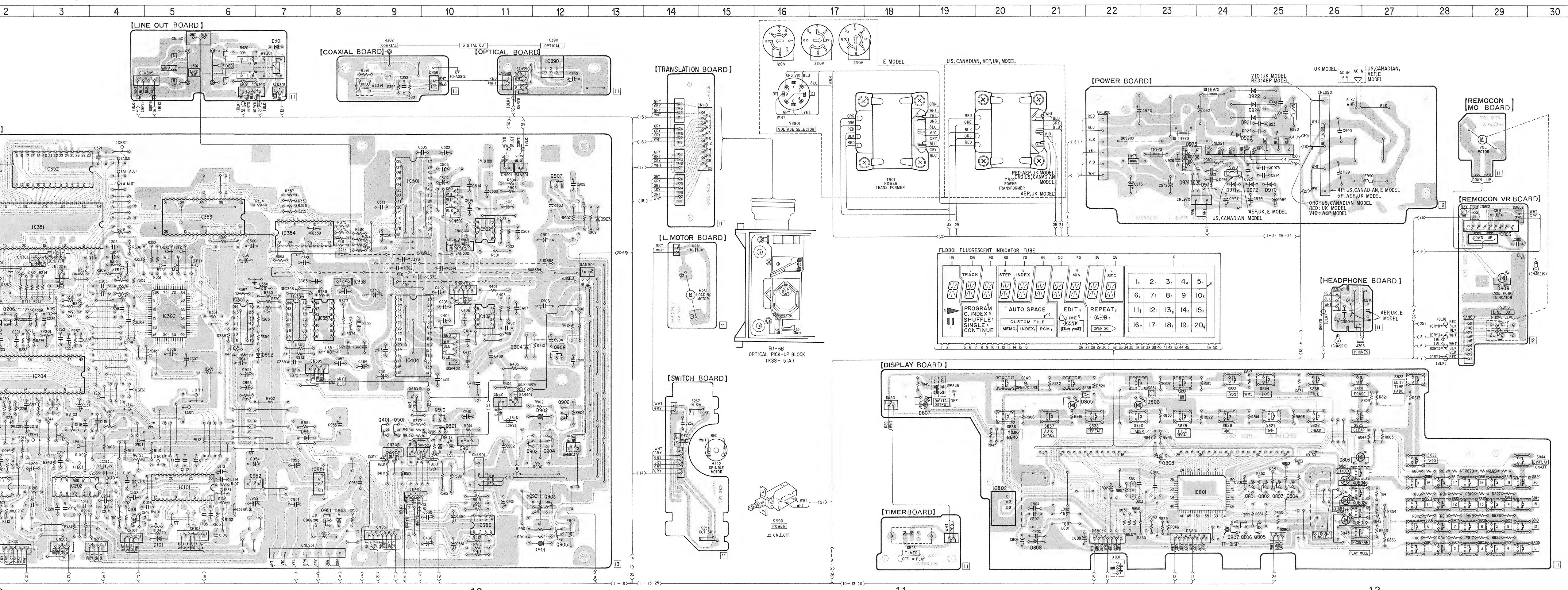


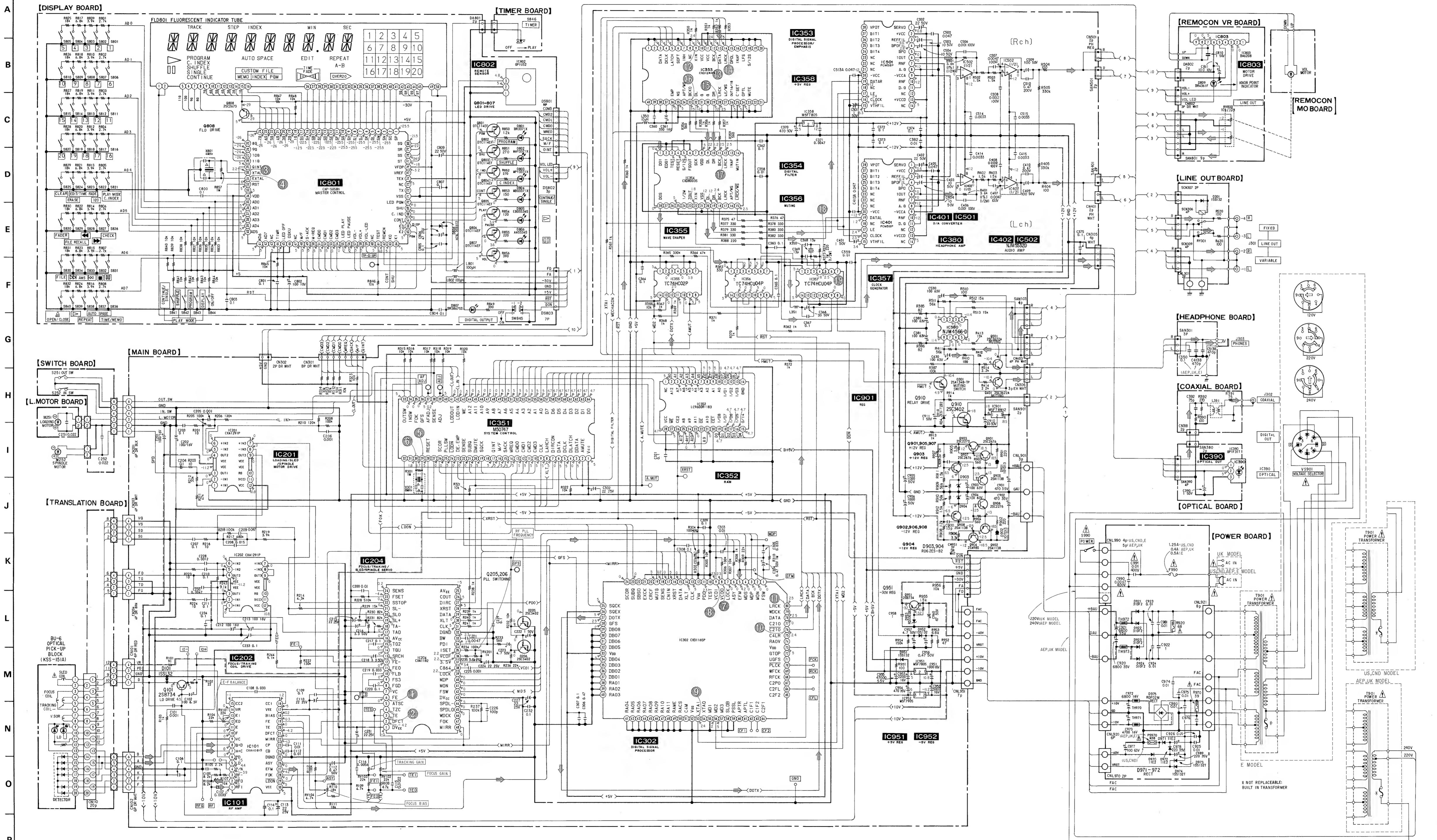
conductor location

Ref. No.	Location	Ref. No.	Location
J-5	Q383	G-9	
D-10	Q801	H-20	
F-26	Q802	I-21	A
G-16	Q901	E-10	
I-11	Q902	E-10	
I-11	Q950	G-9	
I-10	Q951	H-9	
I-10	Q952	I-8	
I-10	Q961	H-8	
I-9			B
I-9			
I-9			
I-8			
I-8			
G-8			
I-9			C
I-9			
I-9			
H-5			
H-2			
H-3			
F-3			D
E-5			
F-6			
C-3			
B-3			
D-7			
C-6			
C-11			E
C-11			
F-9			
E-24			
C-8			
C-9			
E-8			
E-9			F
I-21			
I-17			
G-11			
G-10			
C-7			
G-9			
I-5			G
E-2			
E-2			
G-10			
F-7			

- : parts extracted from the component side.
 - indicates side identified with part number.
 - : Jumper wire connected to the ground pattern on the component side.

BOARDS • Refer to page 18 for Semiconductor Lead Layouts.





Section Schematic Diagram:

- Capacitors are in μF unless otherwise noted. pF: $\mu\mu\text{F}$
or less are not indicated except for electrolytics
and tantalums.

Resistors are in Ω and $1/4\text{W}$ or less unless otherwise
noted.

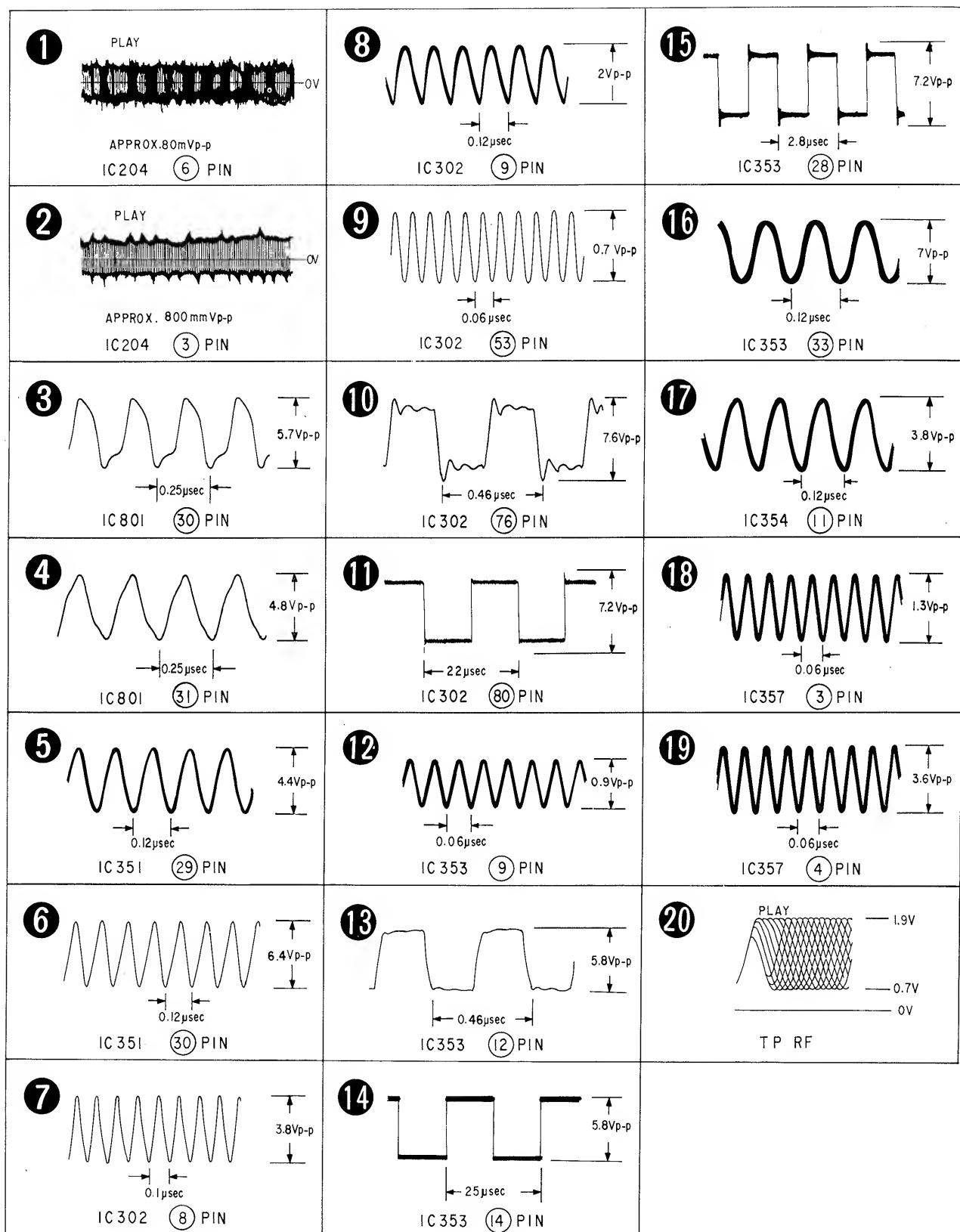
: indicates tolerance.

: internal component.

Components identified

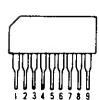
- | | |
|--|--|
| mark  or dot-
with mark 
cal for safety.
only with part
specified. | une marque  sont critiques
pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spéci-
fié. |
| : B+ Line | |
| : B- Line | |
| : adjustment for repair. | |
| : and waveforms are dc with respect to ground | |
| : no-signal conditions. | |
| : STOP | |
|): PLAY | |
| :es are taken with a VOM (input Impedance $10M\Omega$). | |
| :e variations may be noted due to normal produc- | |
| :lerances. | |
| :orms are taken with a oscilloscope. | |
| :e variations may be noted due to normal produc- | |
| :lerances. | |
| :d numbers refer to waveforms. | |
| : path. | |
| : CD | |

• Waveforms

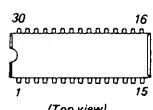


3-4. SEMICONDUCTOR LEAD LAYOUTS

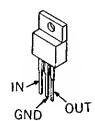
BA6208



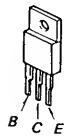
CXA1081S



**M5F78M12
M5F7805**



**2SA985P
2SC2275A**



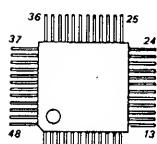
**1SS202-1
10YD1.3-A**



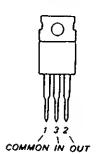
BR3867S



CXA1182S



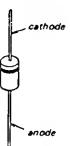
M5F7905



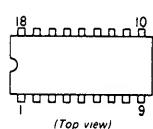
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2SB734
2SC2676**



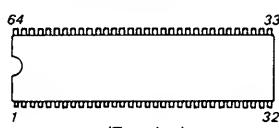
31DF2



CXA1291P



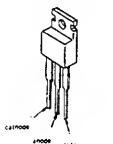
M50747-161SP



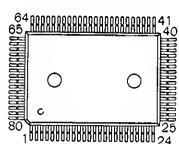
2SC3622A-K



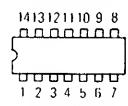
5P-4M



**CXD1165Q
CXP5058H-162Q**



**TC74HCU04P
TC74HCO2P**



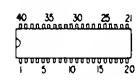
HZ8.2E-B3



AA5534S



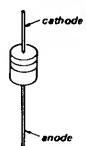
CXD1244S



**DTA114ES
DTC114ES**



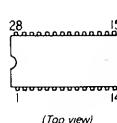
**RD33ES-B2
RD4.7ES-B2
RD6.2JS-B2
11ES2**



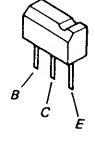
BG5535S



**CXD8003S
LC9600R-183
PCM58P-J**



**DTC114EF
2SC2673**

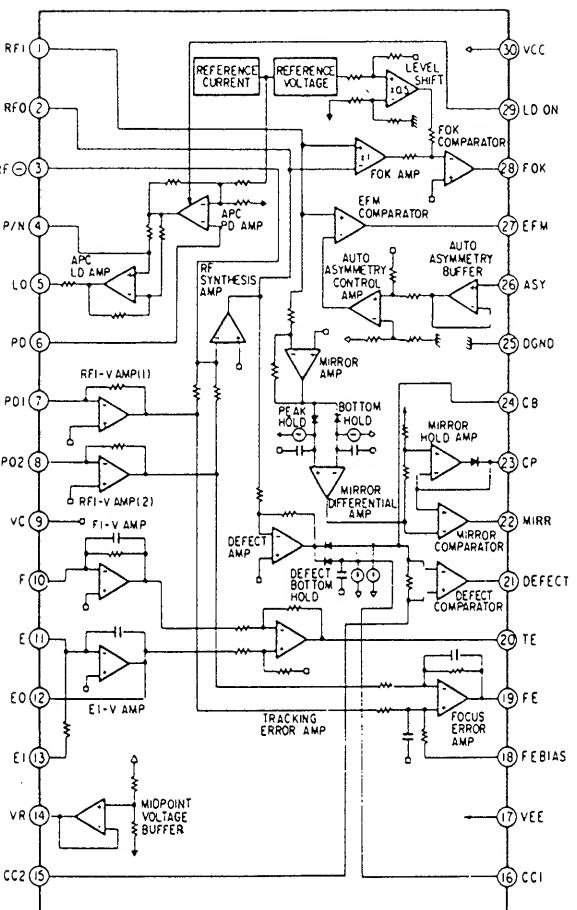


**BR3371X
MAY3371X
MBG3371X
MPY3371X-117**

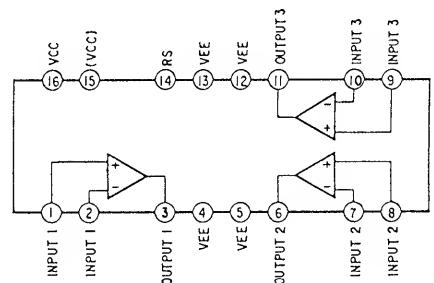


- IC Block Diagrams

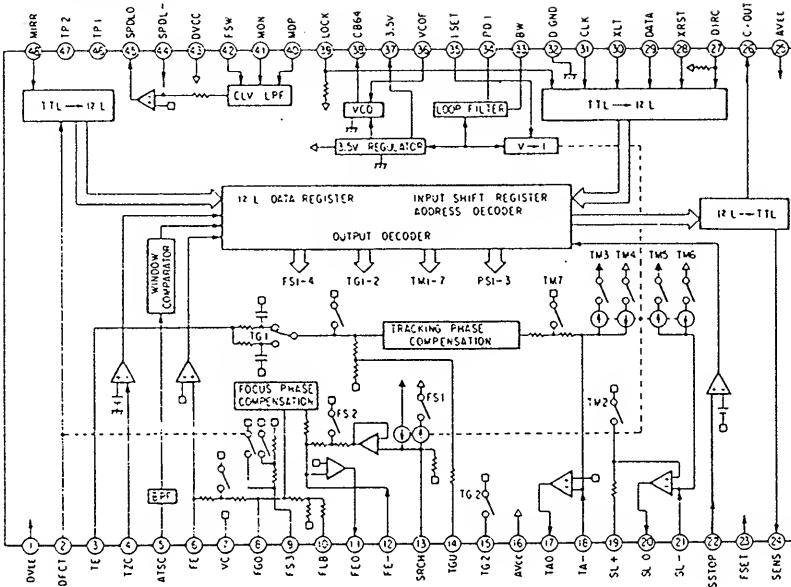
IC101 CXA1081S



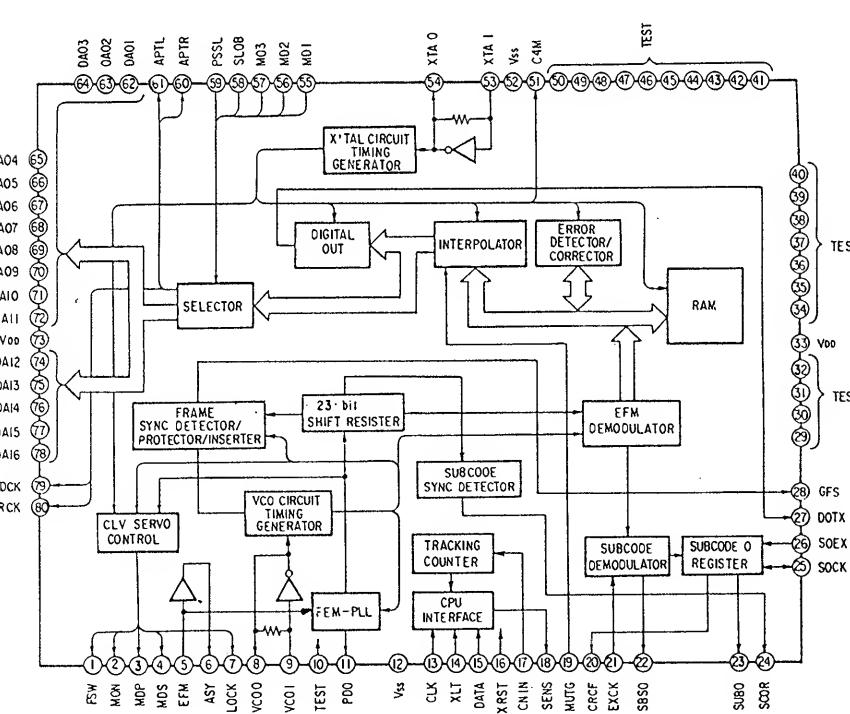
IC201, 202 CXA1291P



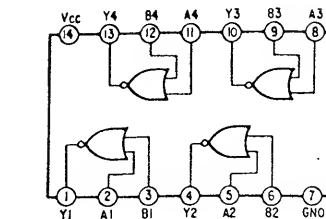
IC204 CXA1182S



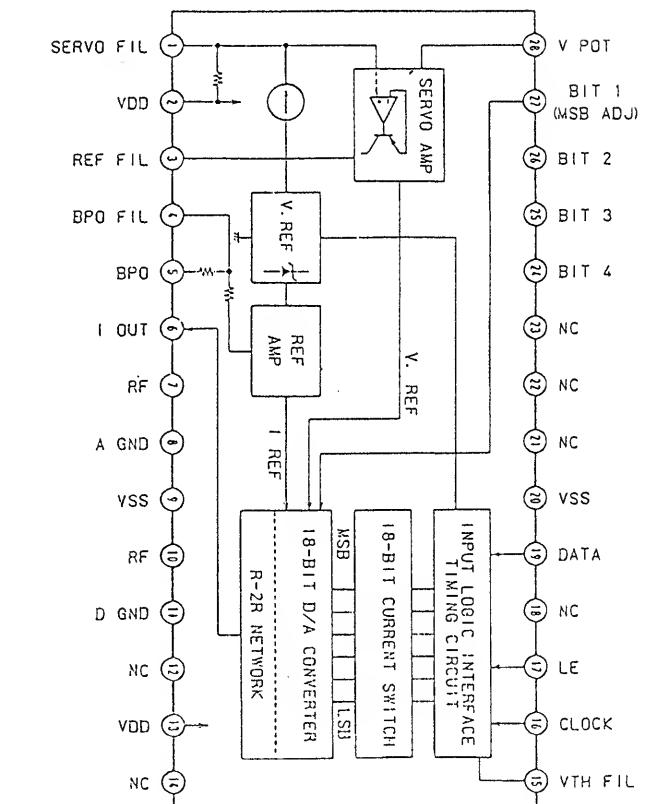
IC302 CXD1165Q



IC355 TC74HC02F



IC401, 501 PCM58P-J



SECTION 4

EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
 - The construction parts of an assembled part are indicated with a collation number in the remark column.
 - Items marked “★” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
 - Color Indication of Appearance Parts

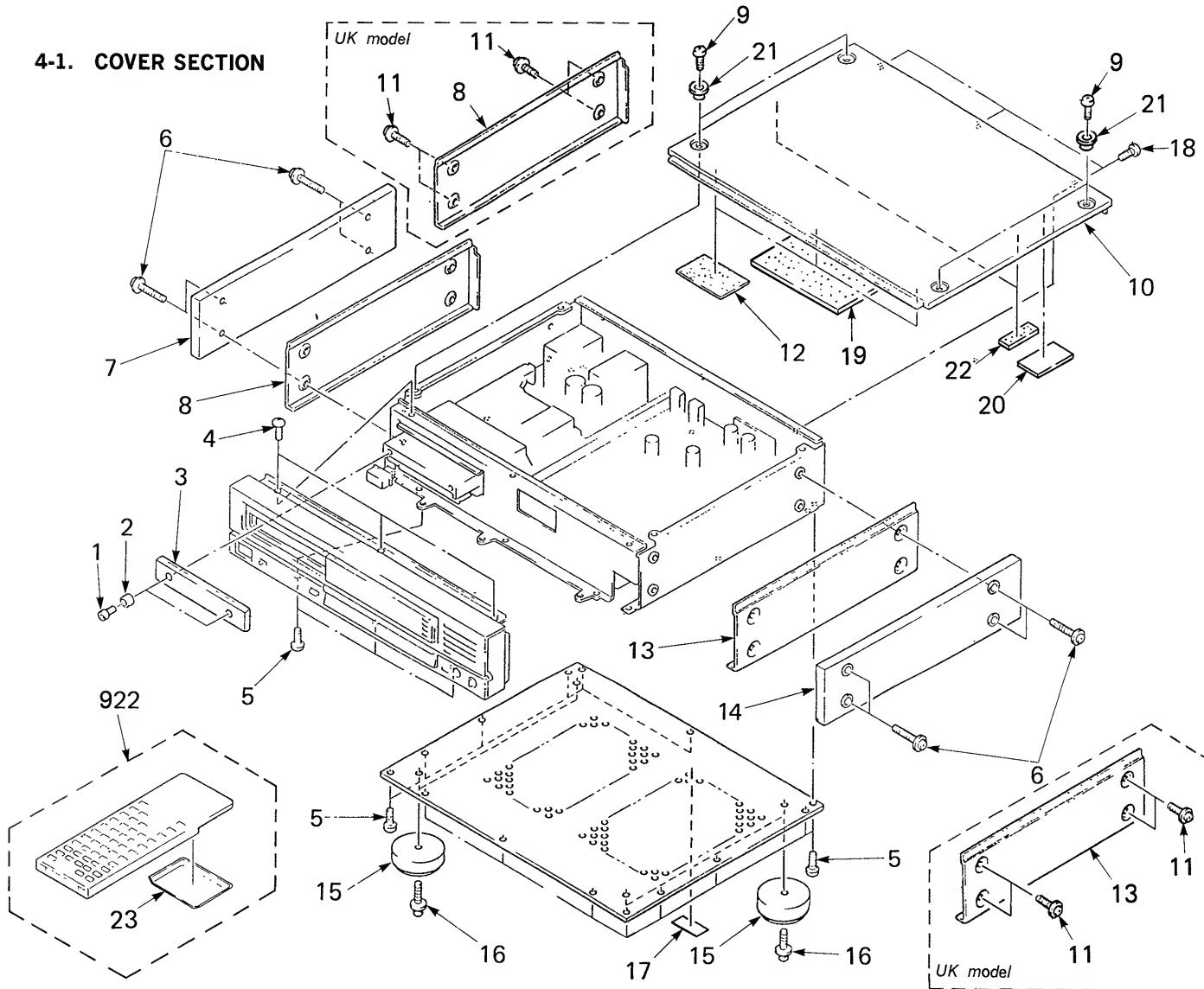
Example:

(RED)	... KNOB, BALANCE (WHITE)
↑	↑
Cabinet's Color	Parts' Color
 - CND: Canadian model

The components identified by mark  or dotted line with mark  are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque  sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

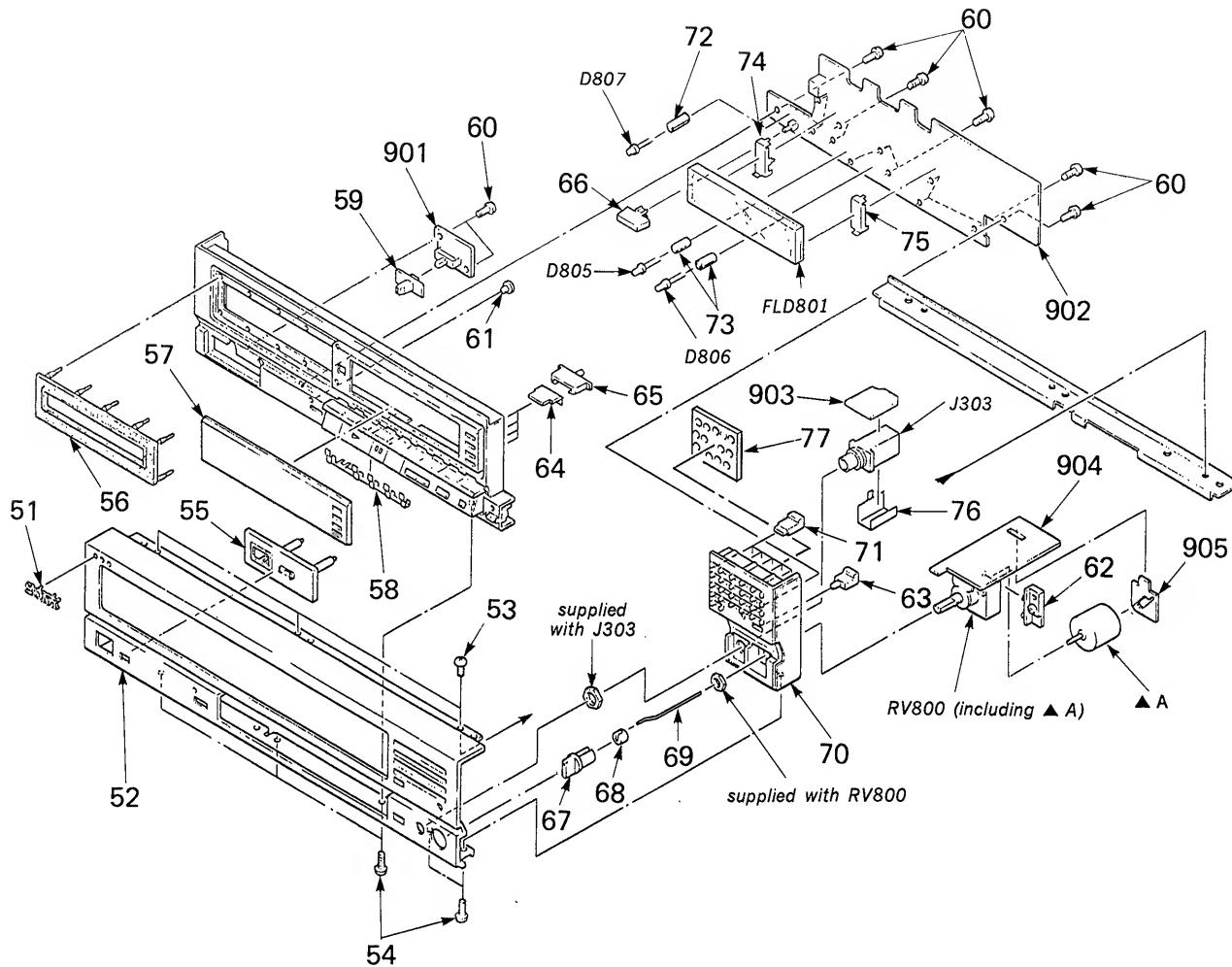
4-1. COVER SECTION



Ref.No	Part No.	Description	Remar
1	7-621-996-05	BOLT, HEXAGON SOCKET 2.6X5	
2	4-884-635-00	BASE, ORNAMENTAL	
3	X-4922-551-1	(CND, AEP, UK)....PANEL ASSY, LOADING	
3	X-4922-554-1	(US, E)....PANEL ASSY, LOADING	
4	4-929-073-01	SCREW (3X8)	
5	3-703-685-21	SCREW (+BV 3X8)	
6	4-885-979-11	(US, CND, AEP, E)....SCREW (4X25)	
7	X-4922-574-2	(AEP)....BOARD (LEFT) ASSY, SIDE	
7	X-4928-001-1	(US, CND, E)....PLATE (LEFT) ASSY, SIDE	
8	*4-925-368-01	CASE (LEFT)	
9	4-924-242-11	SCREW (M3X6), FLAT HEAD	
10	4-925-367-01	CASE (TOP PLATE)	
11	4-847-802-00	(UK)....SCREW	
12	*4-923-563-01	CUSHION	

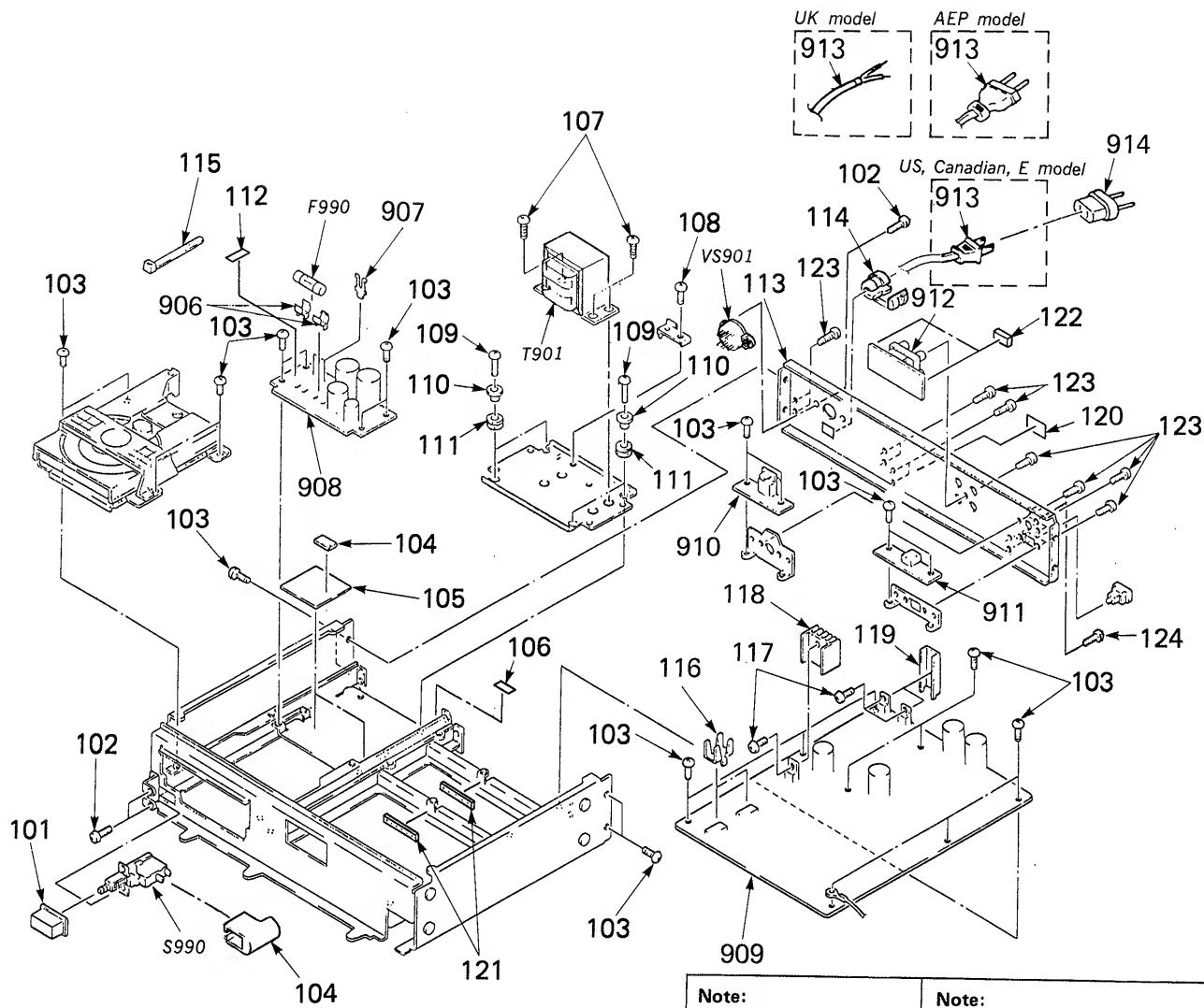
<u>Ref.No</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>
13	*4-925-369-01	CASE (RIGHT)	
14	X-4922-575-2	(AEP)....BOARD (RIGHT) ASSY, SIDE	
14	X-4928-002-1	(US, CND, E)....PLATE (RIGHT) ASSY, SIDE	
15	X-4922-549-1	FOOT ASSY	
16	7-682-664-09	SCREW +PSW 4X14	
17	*3-703-079-21	(UK)....LABEL, CAUTION (BACK)	
18	4-886-821-21	SCREW, M3 CASE STOPPER	
19	*4-913-189-11	FELT (B), ACOUSTIC ABSORBENT	
20	*4-923-557-01	DUMPER	
21	4-928-025-11	ESCUTCHEON (TOP PLATE)	
22	*4-929-017-01	CUSHION	
23	4-928-079-01	COVER, BATTERY	
922	1-465-047-11	REMOTE COMMANDER (RM-D670)	23

4-2. FRONT PANEL SECTION



Ref.No	Part No.	Description	Remarks	Ref.No	Part No.	Description	Remarks
51	4-908-848-01	EMBLEM, SONY		71	4-927-604-01	BUTTON (MC)	
52	4-925-353-01	PANEL, FRONT		72	*4-923-532-31	SPACER, LED	
53	7-685-870-01	SCREW +BVT 3X5 (S)		73	*4-923-532-21	SPACER, LED	
54	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S		74	*4-922-524-01	HOLDER (LEFT)	
55	*4-925-374-01	ESCUOTCHEON (POWER SWITCH)		75	*4-922-523-01	HOLDER (RIGHT)	
56	4-925-375-01	PACKING (LOADING)		76	4-925-366-01	PLATE (HP), GROUND	
57	4-925-373-01	PLATE, INDICATION		77	*4-929-021-01	CUSHION (20 KEY)	
58	4-925-384-01	PLATE (BUTTON), GROUND		901	*1-629-023-11	PC BOARD, TIMER	
59	4-922-518-11	KNOB (TIMER)		902	*A-4655-076-A	MOUNTED PCB, DISPLAY	
60	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S		903	*1-629-022-11	PC BOARD, HEADPHONE	
61	4-925-327-01	INDICATOR		904	*1-629-024-11	PC BOARD, REMOCON VR	
62	*4-922-980-01	HOLDER (LED)		905	*1-629-025-11	PC BOARD, REMOCON MO	
63	4-925-383-01	BUTTON (DIAPLAY)		D805	8-719-907-81	DIODE 5P-4M	
64	4-925-381-01	BUTTON (MODE)		D806	8-719-907-75	DIODE AA5534S	
65	4-925-382-01	BUTTON (MODE HOLDER)		D807	8-719-971-70	DIODE BR3867S	
66	4-925-326-01	BUTTON (D/A)		FLD801	1-519-476-11	INDICATOR TUBE, FLUORESCENT	
67	4-922-977-01	KNOB (HP)		J303	1-507-796-61	JACK, LARGE TYPE (PHONES)	
68	4-922-978-01	HOLDER (FIBER)		RV800	1-238-315-21	RES, VAR, CARBON 10K/10K (LINE OUT)	
69	4-922-979-01	INDICATOR				(Including VOL MOTOR)	
70	*4-925-355-01	BASE (RIGHT) PANEL					

4-3. CHASSIS SECTION

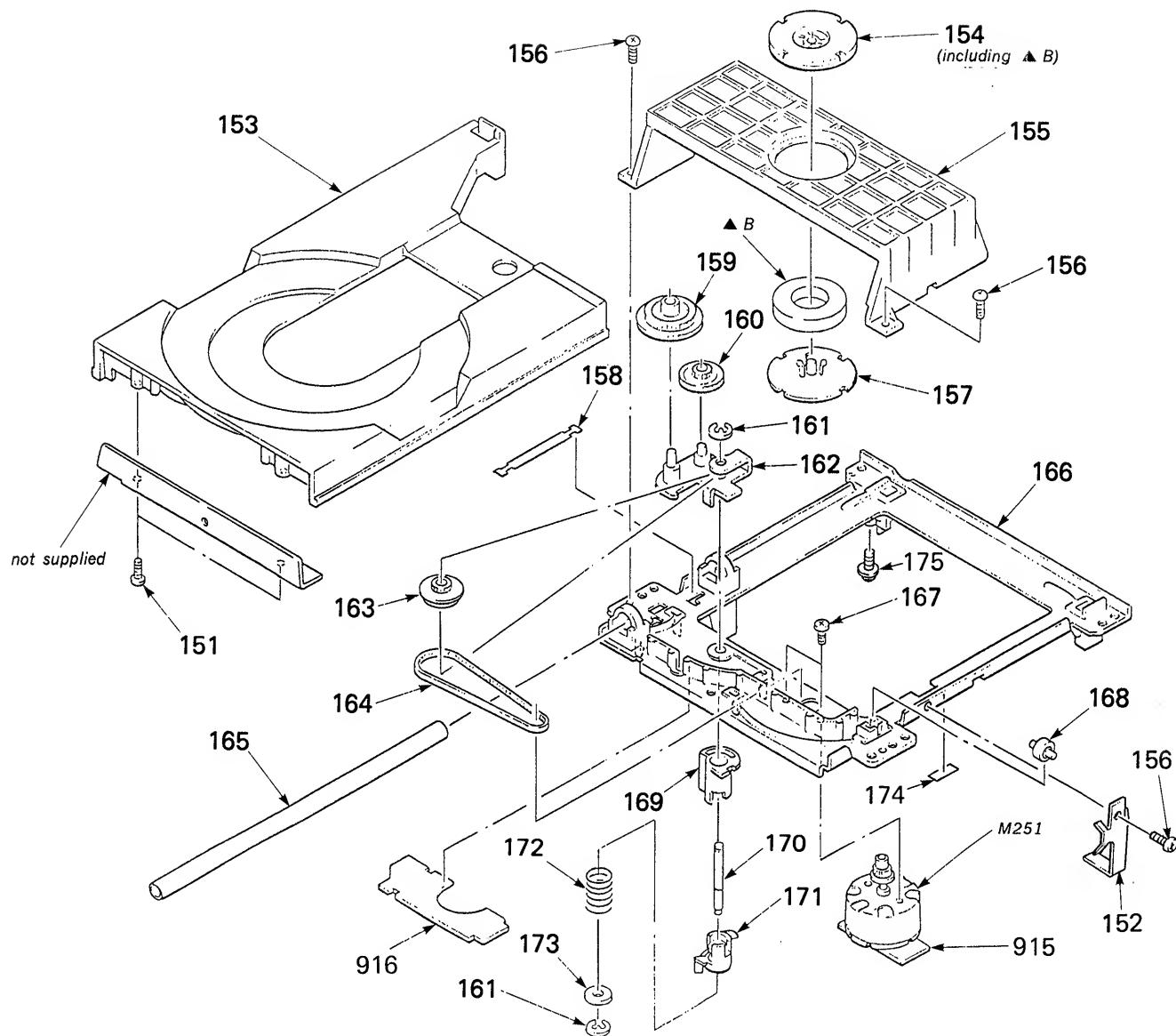


Note:
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Note:
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

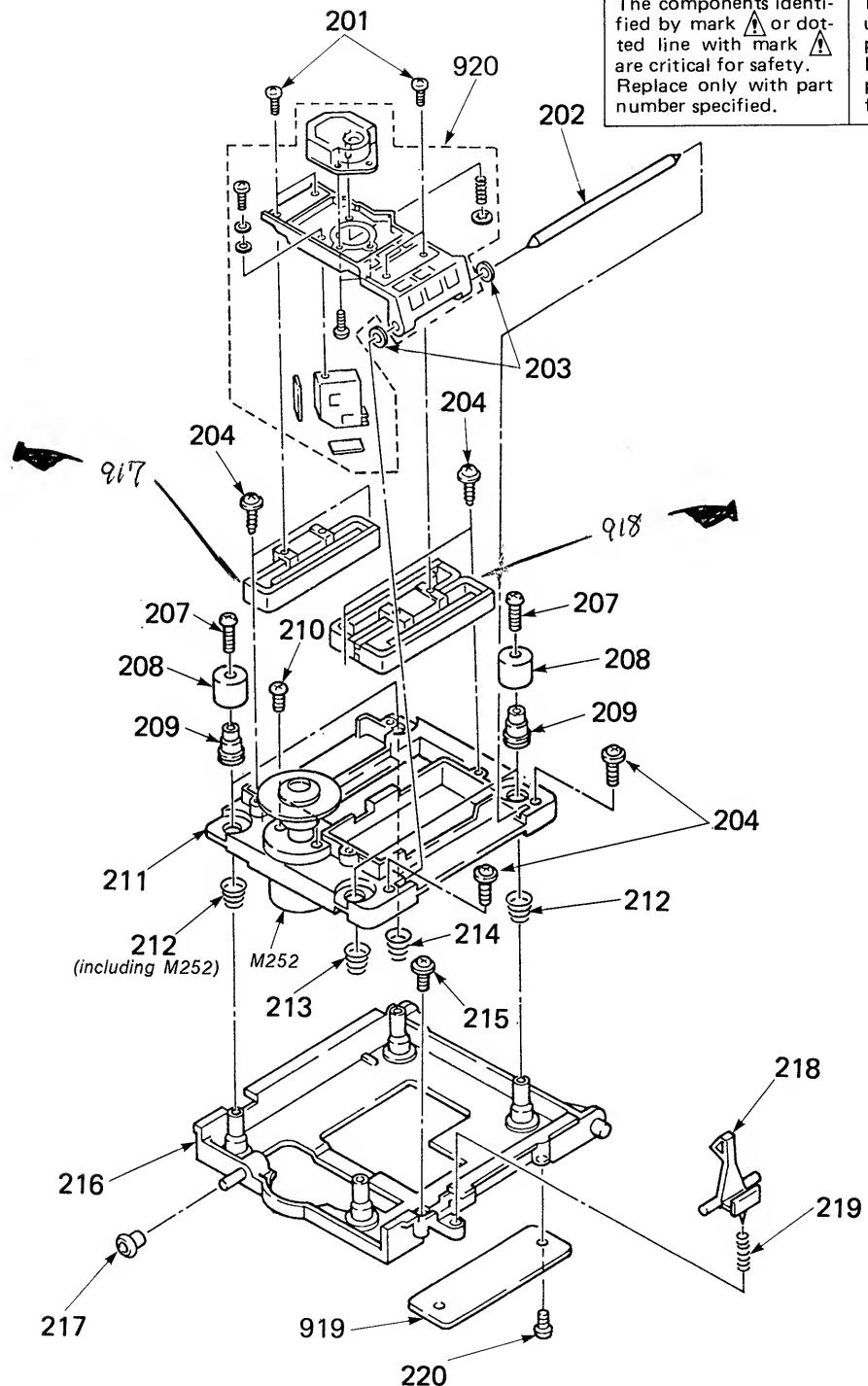
Ref.No	Part No.	Description	Remarks
101	4-923-520-01	KNOB, POWER	
102	7-682-547-09	SCREW + B 3X6	
103	4-929-073-01	SCREW (3X8)	
104	3-575-524-00	COVER, POWER SWITCH	
105	*4-925-394-01	SHEET, INSULATING	
106	3-831-441-XX	CUSHIÓN (B), CABINET	
107	7-682-560-04	SCREW + BVTT 4X6 (S)	
108	7-682-547-04	SCREW + BVTT 3X6 (S)	
109	7-685-873-09	SCREW + BVTT 3X10 (S)	
110	4-928-032-01	COLLAR (A)	
111	*4-888-798-00	BUSHING, RUBBER	
112	3-701-948-10	(AEP, UK)....LABEL (T400MA), FUSE	
112	*3-701-947-08	(E)....LABEL (T500MA), FUSE	
113	*4-925-361-12	(US)....PANEL, BACK	
113	*4-925-361-22	(CND)....PANEL, BACK	
113	*4-925-361-32	(AEP)....PANEL, BACK	
113	*4-925-361-42	(UK)....PANEL, BACK	
113	*4-925-361-52	(E)....PANEL, BACK	
114	2-231-019-00	CLAMPER, CORD	
115	3-655-653-21	BAND (TAITON), BINDING	
116	*4-922-525-01	HEAT SINK	
117	7-682-147-15	SCREW, TR	
118	*4-363-146-00	HEAT SINK, V.OUT	
119	*3-309-144-01	HEAT SINK	
120	*4-885-838-00	(AEP, UK, E)....LABEL, CLASS 1	

Ref.No	Part No.	Description	Remarks
121	*4-929-013-01	ABSORBENT, VIBRATION	
122	*4-929-018-01	ABSORBENT, VIBRATION	
123	4-929-074-01	SCREW (3X8)	
124	7-685-647-79	SCREW + BVTP 3X10 TYPE2 N-S	
906	1-533-183-11	HOLDER, FUSE	
907	*1-535-688-11	TERMINAL	
908	*1-629-020-11	PC BOARD, POWER	
909	*A-4651-225-A	MOUNTED PCB, MAIN	
910	*1-629-017-11	PC BOARD, COAXIAL	
911	*1-629-016-11	PC BOARD, OPTICAL	
912	*1-629-019-11	PC BOARD, LINE OUT	
913	Δ .1-555-386-00	(E)....CORD, POWER	
913	Δ .1-555-795-00	(AEP)....COAD, POWER	
913	Δ .1-556-035-00	(UK)....COAD, POWER	
913	Δ .1-557-577-11	(US, CND)....COAD, POWER	
914	1-526-565-00	(E)....AC PLUG ADAPTOR	
F990	Δ .1-532-066-11	(AEP, UK)....FUSE, TIME-LAG T0.4A	
F990	Δ .1-532-279-00	(E)....FUSE, TIME-LAG T0.5A	
F990	Δ .1-532-741-11	(US, CND)....FUSE, GLASS TUBE 1.25A 125V	
S990	Δ .1-570-156-11	SWITCH, PUSH (AC POWER)(1 KEY)(POWER)	
T901	Δ .1-449-631-11	(E)....TRANSFORMER, POWER	
T901	Δ .1-449-632-11	(US, CND)....TRANSFORMER, POWER	
T901	Δ .1-449-633-11	(AEP, UK)....TRANSFORMER, POWER	
VS901	Δ .1-526-576-51	(E)....SELECTOR, POWER VOLTAGE	

4-4. MECHANISM SECTION
(CDM11A-6B)

Ref.No	Part No.	Description	Remarks	Ref.No	Part No.	Description	Remarks
151	7-685-647-79	SCREW +P 3X10 TYPE2 SLIT		165	4-927-617-01	BAR, GUIDE	
152	*4-927-655-01	LIMITER		166	*4-927-641-04	CHASSIS (OUTSERT), MECHANICAL	
153	*4-927-642-01	TABLE (EXL), DISK		167	7-621-775-08	SCREW +P 26X3	
154	A-4665-024-A	MAGNET ASSY		168	4-927-627-01	ROLLER (S.G)	
155	*4-927-638-03	HOLDER (A,P)		169	4-927-624-01	CAM (L,A)	
156	7-621-770-67	SCREW +BVTT 2.6X6 (S)		170	4-927-665-01	SHAFT (S)	
157	*4-918-679-04	PULLEY, PRESS		171	4-927-635-01	CAM (L,B)	
158	*4-927-648-01	SLIDER (GROUND)		172	3-659-338-00	SPRING, COMPRESSION	
159	4-927-620-01	GEAR (P)		173	4-927-654-01	WASHER (LIMITER)	
160	4-927-628-01	GEAR (C)		174	3-831-441-XX	CUSHION	
161	7-624-105-04	STOP RING 2.3, TYPE -E		175	*4-917-583-21	BRACKET, YOKE	
162	X-4927-608-1	ARM ASSY, SWING		915	*1-629-359-11	PC BOARD, L.MOTOR	
163	4-929-724-01	PULLEY (B)		916	*1-629-360-11	PC BOARD, SWITCH	
164	4-927-649-01	BELT		M251	A-4608-362-A	MOTOR (L) ASSY (LOADING)	

REVISED

4-5. OPTICAL PICK-UP BLOCK SECTION
(BU-6B)

Note:
The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

Note:
Les composants identifiés par une marque sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No	Part No.	Description	Remarks	Ref.No	Part No.	Description	Remarks
201	3-318-203-61	SCREW (B1.7X4), TAPPING		214	4-917-573-01	SPRING (E)	
202	*4-910-431-01	SHAFT, SLIDE		215	7-685-132-19	+ PTPWH (2.6X5)	
203	*4-917-582-01	CUSHION, SLIDE		216	*4-927-637-01	HOLDER (BU-6)	
204	7-685-646-79	SCREW, TAPPING		217	4-927-631-01	ROLLER (L)	
205	—	deletion —		218	4-927-626-01	LEVER (L)	
206	—	deletion —		219	3-305-423-00	SPRING, COMPRESSION	
207	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S		220	7-621-773-86	SCREW +BVTT 2.6X4 (S)	
208	4-927-634-01	HOLDER (SP)		917	A-4638-084-A	SENSOR ASSY, SPEED	
209	4-917-562-01	INSULATOR		918	A-4608-335-A	MOTOR ASSY, LINEAR	
210	7-621-255-25	SCREW +P2X4		919	*1-628-390-11	PC BOARD, TRANSLATION	
211	X-4927-605-3	M. BASE ASSY (Including M252)		920	△8-848-047-01	PICK UP, OPTICS (KSS-151A)	
212	4-917-572-01	SPRING (B)		921	—	deletion —	
213	4-917-571-01	SPRING (A)					

REVISED

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked “★” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μ F, PF: $\mu\mu$ F.

RESISTORS

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORS

In each case, U: μ , for example:
UA...: μ A..., UPA...: μ PA...,
UPC...: μ PC, UPD...: μ PD...

- CND: Canadian model

The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No	Part No.	Description
901	*1-629-023-11	PC BOARD, TIMER
902	*A-4655-076-A	MOUNTED PCB, DISPLAY
903	*1-629-022-11	PC BOARD, HEADPHONE
904	*1-629-024-11	PC BOARD, REMOCON VR
905	*1-629-025-11	PC BOARD, REMOCON MO
906	1-533-183-11	HOLDER, FUSE
907	*1-535-688-11	TERMINAL
908	*1-629-020-11	PC BOARD, POWER
909	*A-4651-225-A	MOUNTED PCB, MAIN
910	*1-629-017-11	PC BOARD, COAXIAL
911	*1-629-016-11	PC BOARD, OPTICAL
912	*1-629-019-11	PC BOARD, LINE OUT
913	1-555-386-00	(E)...CORD, POWER
913	1-555-795-00	(AEP)...COAD, POWER
913	1-556-035-00	(UK)...COAD, POWER
913	1-557-577-11	(US, CND)...COAD, POWER
914	1-526-565-00	(E)...AC PLUG ADAPTOR
915	*1-629-359-11	PC BOARD, L.MOTOR
916	*1-629-360-11	PC BOARD, SWITCH
917	A-4638-084-A	SENSOR ASSY, SPEED
918	A-4608-335-A	MOTOR ASSY, LINEAR
919	*1-628-390-11	PC BOARD, TRANSLATION
920	8-848-047-01	PICK UP, OPTICS (KSS-151A)
921	deletion	
922	1-465-047-11	REMOTE COMMANDER (RM-D670)

BUS351 *1-560-242-21 BUS BAR 4P
BUS352 *1-560-242-31 BUS BAR 5P
BUS353 *1-560-242-31 BUS BAR 5P
BUS354 *1-566-959-11 BAR, BUS
BUS900 *1-560-242-21 BUS BAR 4P

CAPACITOR

C101	1-164-088-11	CERAMIC	0.001MF	50V
C102	1-124-443-00	ELECT	100MF	20% 6.3V
C105	1-162-198-31	CERAMIC	8.2PF	10% 50V
C106	1-164-159-11	CERAMIC	0.1MF	50V
C107	1-130-477-00	MYLAR	0.0033MF	5% 50V
C108	1-136-159-00	FILM	0.033MF	5% 50V
C109	1-164-159-11	CERAMIC	0.1MF	50V
C110	1-126-233-11	ELECT	22MF	20% 25V
C111	1-136-153-00	FILM	0.01MF	5% 50V
C112	1-136-153-00	FILM	0.01MF	5% 50V
C113	1-126-233-11	ELECT	22MF	20% 25V
C114	1-164-159-11	CERAMIC	0.1MF	50V
C115	1-161-375-00	CERAMIC	0.0022MF	30% 16V
C116	1-130-480-00	MYLAR	0.0056MF	5% 50V
C117	1-124-902-00	ELECT	0.47MF	20% 50V
C200	1-161-379-00	CERAMIC	0.01MF	20% 16V
C201	1-123-333-00	ELECT	100MF	20% 16V
C202	1-123-333-00	ELECT	100MF	20% 16V
C203	1-164-159-11	CERAMIC	0.1MF	50V
C204	1-164-159-11	CERAMIC	0.1MF	50V
C205	1-162-294-31	CERAMIC	0.001MF	10% 50V
C206	1-162-294-31	CERAMIC	0.001MF	10% 50V
C207	1-164-159-11	CERAMIC	0.1MF	50V

C208	1-136-155-00	FILM	0.015MF	5% 50V
C209	1-136-161-00	FILM	0.047MF	5% 50V
C210	1-164-159-11	CERAMIC	0.1MF	50V
C211	1-164-159-11	CERAMIC	0.1MF	50V
C212	1-123-333-00	ELECT	100MF	20% 16V
C213	1-123-333-00	ELECT	100MF	20% 16V
C215	1-126-233-11	ELECT	22MF	20% 25V
C216	1-123-382-00	ELECT	3.3MF	20% 50V
C217	1-136-165-00	FILM	0.1MF	5% 50V
C218	1-123-382-00	ELECT	3.3MF	20% 50V
C219	1-136-159-00	FILM	0.033MF	5% 50V
C220	1-136-165-00	FILM	0.1MF	5% 50V
C221	1-106-359-00	MYLAR	0.0047MF	5% 50V
C222	1-124-499-11	ELECT	1MF	20% 50V
C223	1-124-927-11	ELECT	4.7MF	20% 50V
C224	1-126-233-11	ELECT	22MF	20% 25V
C225	1-162-294-31	CERAMIC	0.001MF	10% 50V
C226	1-162-282-31	CERAMIC	100PF	10% 50V
C227	1-126-233-11	ELECT	22MF	20% 25V
C228	1-130-472-00	MYLAR	0.0012MF	5% 50V
C229	1-164-159-11	CERAMIC	0.1MF	50V
C230	1-106-359-00	MYLAR	0.0047MF	5% 50V
C231	1-126-233-11	ELECT	22MF	20% 25V
C232	1-164-159-11	CERAMIC	0.1MF	50V
C233	1-164-159-11	CERAMIC	0.1MF	50V
C234	1-164-159-11	CERAMIC	0.1MF	50V
C251	1-136-157-00	FILM	0.022MF	5% 50V
C252	1-136-157-00	FILM	0.022MF	5% 50V
C302	1-126-233-11	ELECT	22MF	20% 25V
C303	1-161-379-00	CERAMIC	0.01MF	20% 16V
C304	1-124-902-00	ELECT	0.47MF	20% 50V
C305	1-136-159-00	FILM	0.033MF	5% 50V
C306	1-136-173-00	FILM	0.47MF	5% 50V
C307	1-164-159-11	CERAMIC	0.1MF	50V
C308	1-164-159-11	CERAMIC	0.1MF	50V
C309	1-164-159-11	CERAMIC	0.1MF	50V
C321	1-164-159-11	CERAMIC	0.1MF	50V
C350	1-164-159-11	(AEP, UK, E,...)	0.1MF	50V
C358	1-130-483-00	MYLAR	0.01MF	5% 50V
C359	1-130-483-00	MYLAR	0.01MF	5% 50V
C360	1-136-165-00	FILM	0.1MF	5% 50V
C361	1-124-119-00	ELECT	330MF	20% 16V
C362	1-136-920-00	FILM	0.1MF	5% 50V
C363	1-136-920-00	FILM	0.1MF	5% 50V
C364	1-136-165-00	FILM	0.1MF	5% 50V
C365	1-164-159-11	CERAMIC	0.1MF	50V
C366	1-123-382-00	ELECT	33MF	20% 50V
C367	1-136-165-00	FILM	0.1MF	5% 50V
C368	1-102-950-00	CERAMIC	13PF	5% 50V
C369	1-102-950-00	CERAMIC	13PF	5% 50V
C370	1-124-517-11	ELECT	470MF	20% 50V
C371	1-106-359-00	MYLAR	0.0047MF	5% 50V
C372	1-136-920-00	FILM	0.1MF	5% 50V
C373	1-136-920-00	FILM	0.1MF	5% 50V

Note:		Note:				
The components identified by mark  or dotted line with mark  are critical for safety.		Les composants identifiés par une marque  sont critiques pour la sécurité.				
Replace only with part number specified.		Ne les remplacer que par une pièce portant le numéro spécifié.				

Ref.No	Part No.	Description			Ref.No	Part No.	Description					
C374	1-136-920-00	FILM	0.1MF	5%	50V	C926	1-130-483-00	MYLAR	0.01MF	5%	50V	
C375	1-136-920-00	FILM	0.1MF	5%	50V	C951	1-124-360-00	ELECT	1000MF	20%	16V	
C380	1-124-130-00	ELECT	100MF	20%	63V	C952	1-124-360-00	ELECT	1000MF	20%	16V	
C381	1-124-130-00	ELECT	100MF	20%	63V	C953	1-124-556-11	ELECT	2200MF	20%	16V	
C382	1-130-483-00	MYLAR	0.01MF	5%	50V	C954	1-126-103-11	ELECT	470MF	20%	16V	
C390	1-123-380-00	ELECT	1MF	20%	50V	C955	1-126-244-51	ELECT	47000MF	5.5V		
C392	1-162-279-31	CERAMIC	75PF	10%	50V	C956	1-124-902-00	ELECT	0.47MF	20%	50V	
C401	1-123-380-00	ELECT	1MF	20%	50V	C957	1-124-927-11	ELECT	4.7MF	20%	50V	
C402	1-123-357-00	ELECT	22MF	20%	50V	C958	1-136-177-00	FILM	1MF	5%	50V	
C403	1-126-059-11	ELECT	10MF	20%	50V	C960	1-124-910-11	ELECT	47MF	20%	50V	
C404	1-126-059-11	ELECT	10MF	20%	50V	C972	1-126-017-11	ELECT	6800MF	20%	16V	
C405	1-130-491-00	MYLAR	0.047MF	5%	50V	C973	1-124-898-11	ELECT	4700MF	20%	16V	
C406	1-136-854-00	FILM	0.001MF	2%	100V	C974	1-130-483-00	MYLAR	0.01MF	5%	50V	
C407	1-136-870-00	FILM	0.0047MF	2%	100V	C975	1-130-483-00	MYLAR	0.01MF	5%	50V	
C408	1-136-856-00	FILM	0.0012MF	2%	100V	C976	1-136-177-00	FILM	1MF	5%	50V	
C409	1-124-572-11	ELECT	100MF	20%	50V	C977	1-124-130-00	ELECT	100MF	20%	63V	
C410	1-136-580-11	FILM	0.47MF	10%	200V	C978	1-124-484-11	ELECT	220MF	20%	35V	
C413A	1-130-491-00	MYLAR	0.047MF	5%	50V	C980	1-130-483-00	MYLAR	0.01MF	5%	50V	
C413B	1-162-290-31	(AEP, UK, E)....	CERAMIC	470PF	10%	50V	C981	1-130-483-00	MYLAR	0.01MF	5%	50V
C414	1-130-477-00	MYLAR	0.0033MF	5%	50V	C989	1-124-484-11	ELECT	220MF	20%	35V	
C415	1-130-477-00	MYLAR	0.0033MF	5%	50V	C990	△1-162-599-12	CERAMIC	0.0047MF	20%	400V	
C430	1-124-130-00	ELECT	100MF	20%	63V	C991	△1-161-744-00	CERAMIC	0.01MF		400V	
C501	1-123-380-00	ELECT	1MF	20%	50V	CN101	*1-564-338-71	PIN, CONNECTOR 4P				
C502	1-123-357-00	ELECT	22MF	20%	50V	CN110	*1-562-883-11	SOCKET, CONNECTOR 20P				
C503	1-126-059-11	ELECT	10MF	20%	50V	CN102	*1-564-340-00	PIN, CONNECTOR 6P				
C504	1-126-059-11	ELECT	10MF	20%	50V	CN110	*1-562-883-11	SOCKET, CONNECTOR 20P				
C505	1-130-491-00	MYLAR	0.047MF	5%	50V	CN201	*1-564-340-61	PIN, CONNECTOR 6P				
C506	1-136-854-00	FILM	0.001MF	2%	100V	CN203	*1-564-338-00	PIN, CONNECTOR 4P				
C507	1-136-870-00	FILM	0.0047MF	2%	100V	CN204	*1-564-338-81	PIN, CONNECTOR 4P				
C508	1-136-856-00	FILM	0.0012MF	2%	100V	CN301	*1-564-342-11	PIN, CONNECTOR 8P				
C509	1-124-572-11	ELECT	100MF	20%	50V	CN302	*1-564-336-00	PIN, CONNECTOR 2P				
C510	1-136-580-11	FILM	0.47MF	10%	200V	CN305	*1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P				
C513A	1-130-491-00	MYLAR	0.047MF	5%	50V	CN306	*1-564-506-11	PLUG, CONNECTOR 3P				
C513B	1-162-290-31	(AEP, UK, E)....	CERAMIC	470PF	10%	50V	CN381	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
C514	1-130-477-00	MYLAR	0.0033MF	5%	50V	CN401	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P				
C515	1-130-477-00	MYLAR	0.0033MF	5%	50V	CN403	*1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P				
C530	1-124-130-00	ELECT	100MF	20%	63V	CN501	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P				
C800	1-164-159-11	CERAMIC	0.1MF	50V	CN802	*1-564-337-00	PIN, CONNECTOR 3P					
C801	1-164-159-11	CERAMIC	0.1MF	50V	CN951	*1-564-341-11	PIN, CONNECTOR 7P					
C802	1-124-584-00	ELECT	100MF	20%	10V	CNL301	*1-508-829-12	H TYPE BASE POST 2P				
C803	1-164-159-11	CERAMIC	0.1MF	50V	CNL901	*1-535-116-00	TERMINAL 3P					
C804	1-164-159-11	CERAMIC	0.1MF	50V	CNL920	*1-535-119-00	TERMINAL 6P					
C805	1-164-159-11	CERAMIC	0.1MF	50V	CNL921	*1-535-121-00	TERMINAL 8P					
C806	1-124-477-11	ELECT	47MF	20%	25V	CNL951	*1-535-120-00	TERMINAL 7P				
C807	1-164-159-11	CERAMIC	0.1MF	50V	CNL970	*1-535-115-00	TERMINAL 2P					
C809	1-126-233-11	ELECT	22MF	20%	50V	CNL990	*1-535-141-00	(US, CND, E)....BASE POST 22MM (10MM PITCH) 4P				
C810	1-124-611-00	ELECT	1MF	20%	50V	CNL990	*1-535-142-00	(AEP, UK)....BASE POST 22MM (10MM PITCH) 5P				
C811	1-124-443-00	ELECT	100MF	20%	10V	D101	8-719-107-94	DIODE 1SS202-1				
C900	1-102-950-00	CERAMIC	13PF	5%	50V	D301	8-719-107-94	DIODE 1SS202-1				
C901	1-124-713-11	ELECT	470MF	20%	35V	D801	8-719-971-49	DIODE BR3371X				
C902	1-124-713-11	ELECT	470MF	20%	35V	D802	8-719-971-52	DIODE MAY3371X				
C903	1-124-130-00	ELECT	100MF	20%	63V	D803	8-719-970-98	DIODE MPY3371X-117				
C904	1-124-130-00	ELECT	100MF	20%	63V	D804	8-719-971-50	DIODE MBG3371X				
C905	1-126-170-11	ELECT	1000MF	20%	50V	D805	8-719-907-81	DIODE 5P-4M				
C906	1-126-170-11	ELECT	1000MF	20%	50V	D806	8-719-907-75	DIODE AA5534S				
C909	1-102-950-00	CERAMIC	13PF	5%	50V	D807	8-719-971-70	DIODE BR3867S				
C910	1-123-382-00	ELECT	33MF	20%	50V	D808	8-719-915-91	DIODE HZ8.2E-B3				
C911	1-123-380-00	ELECT	1MF	20%	50V	D809	8-719-970-49	DIODE BR4361F				
C920	1-126-129-11	ELECT	6800MF	20%	35V	D901	8-719-224-12	DIODE 10YD1.3-A				
C921	1-126-129-11	ELECT	6800MF	20%	35V	D902	8-719-224-12	DIODE 10YD1.3-A				
C922	1-136-177-00	FILM	1MF	5%	50V	D903	8-719-114-41	DIODE RD6.2JS-B2				
C923	1-130-483-00	MYLAR	0.01MF	5%	50V	D904	8-719-114-41	DIODE RD6.2JS-B2				
C924	1-130-483-00	MYLAR	0.01MF	5%	50V	D910	8-719-109-81	DIODE RD4.7ES-B2				
C925	1-130-483-00	MYLAR	0.01MF	5%	50V	D921	8-719-230-02	DIODE 31DF2				

Ref.No	Part No.	Description	Ref.No	Part No.	Description
D922	8-719-230-02	DIODE 31DF2	Q806	8-729-900-45	TRANSISTOR DTC114EF
D923	8-719-230-02	DIODE 31DF2	Q807	8-729-900-45	TRANSISTOR DTC114EF
D924	8-719-230-02	DIODE 31DF2	Q808	8-729-967-32	TRANSISTOR 2SC2673
D951	8-719-107-94	DIODE 1SS202-1	Q901	8-729-167-62	TRANSISTOR 2SC2676
D952	8-719-107-94	DIODE 1SS202-1	Q902	8-729-113-82	TRANSISTOR 2SA1138-F
D953	8-719-110-78	DIODE RD33ES-B2	Q903	8-729-107-53	TRANSISTOR 2SC2275-A
D970	8-719-200-82	DIODE 11ES2	Q904	8-729-190-53	TRANSISTOR 2SA985-P
D971	8-719-200-82	DIODE 11ES2	Q905	8-729-113-82	TRANSISTOR 2SA1138-F
D972	8-719-200-82	DIODE 11ES2	Q906	8-729-167-62	TRANSISTOR 2SC2676
D973	8-719-107-94	DIODE 1SS202-1	Q907	8-729-167-62	TRANSISTOR 2SC2676
D974	8-719-107-94	DIODE 1SS202-1	Q908	8-729-113-82	TRANSISTOR 2SA1138-F
D975	8-719-937-49	DIODE RDF02M	Q910	8-729-900-80	TRANSISTOR DTC114ES
F990	▲.1-532-066-11	(AEP, UK)....FUSE, TIME-LAG T0.4A	Q951	8-729-140-97	TRANSISTOR 2SB734
F990	▲.1-532-279-00	(E)....FUSE, TIME-LAG T0.5A			
F990	▲.1-532-741-11	(US, CND)....FUSE, GLASS TUBE 1.25A 125V			
FLD801	1-519-476-11	INDICATOR TUBE, FLUORESCENT			
IC101	8-752-034-00	IC CXA1081S	R101	1-247-806-11	CARBON
IC201	8-752-035-28	IC CXA1291P	R102	1-249-512-11	CARBON
IC202	8-752-035-28	IC CXA1291P	R103	1-249-417-11	CARBON
IC204	8-752-032-33	IC CXA1182S	R104	1-249-433-11	CARBON
IC302	8-752-325-59	IC CXD1165Q	R105	1-249-421-11	CARBON
IC351	8-759-631-47	IC M50747-161SP	R106	1-249-428-11	CARBON
IC352	8-759-820-64	IC LC9600R-183	R107	1-247-860-11	CARBON
IC353	8-752-328-61	IC CXD1244S	R108	1-249-425-11	CARBON
IC354	8-759-978-53	IC CXD8003S	R109	1-249-425-11	CARBON
IC355	8-759-202-12	IC TC74HC02P	R110	1-249-432-11	CARBON
IC356	8-759-202-13	IC TC74HCU04P	R111	1-249-432-11	CARBON
IC357	8-759-202-13	IC TC74HCU04P	R112	1-249-441-11	CARBON
IC358	8-759-604-29	IC M5F7805	R201	1-249-393-11	CARBON
IC380	8-759-981-85	IC RC4556D	R203	1-249-393-11	CARBON
IC390	8-759-977-71	IC GP1F31T	R205	1-249-441-11	CARBON
IC401	8-759-979-08	IC PCM58P-J	R206	1-247-881-00	CARBON
IC402	8-759-982-03	IC RC5532DD	R208	1-249-441-11	CARBON
IC501	8-759-979-08	IC PCM58P-J	R210	1-247-881-00	CARBON
IC502	8-759-982-03	IC RC5532DD	R211	1-249-437-11	CARBON
IC801	8-752-806-27	IC CXP5058H-162Q	R212	1-249-435-11	CARBON
IC802	8-749-920-03	IC GP1U52	R214	1-247-846-11	CARBON
IC803	8-759-962-08	IC BA6208	R216	1-249-393-11	CARBON
IC901	8-759-604-39	IC M5F78M12	R217	1-247-899-11	CARBON
IC951	8-759-604-29	IC M5F7805	R218	1-249-441-11	CARBON
IC952	8-759-604-47	IC M5F7905	R219	1-249-424-11	CARBON
J301	1-568-101-11	JACK, PIN 4P (LINE OUT)	R222	1-247-882-11	CARBON
J302	1-566-922-21	JACK, PIN 1P (DIGITAL OUT COAXIAL)	R223	1-249-393-11	CARBON
J303	1-507-796-61	JACK, LARGE TYPE (PHONES)	R224	1-249-393-11	CARBON
R230	1-249-440-11	CARBON			
R231	1-249-440-11	CARBON			
R232	1-249-429-11	CARBON			
R233	1-249-414-11	CARBON			
R234	1-249-441-11	CARBON			
R235	1-215-434-00	METAL			
R236	1-249-433-11	CARBON			
R237	1-249-441-11	CARBON			
R238	1-249-417-11	CARBON			
R239	1-249-417-11	CARBON			
R240	1-249-417-11	CARBON			
R241	1-249-417-11	CARBON			
R243	1-247-854-11	CARBON			
R244	1-247-854-11	CARBON			
R301	1-247-903-00	CARBON			
R303	1-215-469-00	METAL			
R304	1-215-469-00	METAL			
R305	1-249-429-11	CARBON			
R306	1-249-441-11	CARBON			
R307	1-249-429-11	CARBON			

Note:
The components identified by mark ▲ or dotted line with mark ▲ are critical for safety. Replace only with part number specified.

Note:
Les composants identifiés par une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No	Part No.	Description	Ref.No	Part No.	Description						
R308	1-249-417-11	CARBON	1K	5%	1/4W	R420	1-247-700-11	CARBON	100	5%	1/4W
R309	1-249-433-11	CARBON	22K	5%	1/4W	R501	1-249-815-11	CARBON	3.6K	1%	1/2W
R310	1-247-903-00	CARBON	1M	5%	1/4W	R502	1-249-556-11	CARBON	1.5K	5%	1/4W
R311	1-249-429-11	CARBON	10K	5%	1/4W	R503	1-249-556-11	CARBON	1.5K	5%	1/4W
R312	1-249-429-11	CARBON	10K	5%	1/4W	R504	1-247-700-11	CARBON	100	5%	1/4W
R313	1-249-429-11	CARBON	10K	5%	1/4W	R505	1-247-891-00	CARBON	330K	5%	1/4W
R314	1-249-429-11	CARBON	10K	5%	1/4W	R510	1-247-700-11	CARBON	100	5%	1/4W
R315	1-249-429-11	CARBON	10K	5%	1/4W	R511	1-249-466-11	CARBON	56K	5%	1/4W
R316	1-249-429-11	CARBON	10K	5%	1/4W	R512	1-249-460-11	CARBON	15K	5%	1/4W
R317	1-249-429-11	CARBON	10K	5%	1/4W	R513	1-249-460-11	CARBON	15K	5%	1/4W
R318	1-249-429-11	CARBON	10K	5%	1/4W	R514	1-249-421-11	CARBON	2.2K	5%	1/4W
R319	1-249-429-11	CARBON	10K	5%	1/4W	R520	1-247-700-11	CARBON	100	5%	1/4W
R320	1-249-429-11	CARBON	10K	5%	1/4W	R801	1-249-422-11	CARBON	2.7K	5%	1/4W
R321	1-249-429-11	CARBON	10K	5%	1/4W	R802	1-249-422-11	CARBON	2.7K	5%	1/4W
R322	1-249-429-11	CARBON	10K	5%	1/4W	R803	1-249-422-11	CARBON	2.7K	5%	1/4W
R323	1-249-429-11	CARBON	10K	5%	1/4W	R804	1-249-422-11	CARBON	2.7K	5%	1/4W
R350	1-249-417-11	CARBON	1K	5%	1/4W	R805	1-249-422-11	CARBON	2.7K	5%	1/4W
R351	1-249-417-11	CARBON	1K	5%	1/4W	R806	1-249-422-11	CARBON	2.7K	5%	1/4W
R352	1-249-417-11	CARBON	1K	5%	1/4W	R807	1-249-422-11	CARBON	2.7K	5%	1/4W
R353	1-249-417-11	CARBON	1K	5%	1/4W	R808	1-249-422-11	CARBON	2.7K	5%	1/4W
R354	1-249-414-11	CARBON	560	5%	1/4W	R809	1-249-424-11	CARBON	3.9K	5%	1/4W
R355	1-249-417-11	CARBON	1K	5%	1/4W	R810	1-249-424-11	CARBON	3.9K	5%	1/4W
R356	1-249-417-11	CARBON	1K	5%	1/4W	R811	1-249-424-11	CARBON	3.9K	5%	1/4W
R357	1-249-417-11	CARBON	1K	5%	1/4W	R812	1-249-424-11	CARBON	3.9K	5%	1/4W
R359	1-249-414-11	CARBON	560	5%	1/4W	R813	1-249-424-11	CARBON	3.9K	5%	1/4W
R360	1-249-417-11	CARBON	1K	5%	1/4W	R814	1-249-424-11	CARBON	3.9K	5%	1/4W
R361	1-249-417-11	CARBON	1K	5%	1/4W	R815	1-249-424-11	CARBON	3.9K	5%	1/4W
R362	1-249-417-11	CARBON	1K	5%	1/4W	R816	1-249-424-11	CARBON	3.9K	5%	1/4W
R363	1-249-411-11	CARBON	330	5%	1/4W	R817	1-249-427-11	CARBON	6.8K	5%	1/4W
R364	1-249-437-11	CARBON	47K	5%	1/4W	R818	1-249-427-11	CARBON	6.8K	5%	1/4W
R365	1-247-891-00	CARBON	330K	5%	1/4W	R819	1-249-427-11	CARBON	6.8K	5%	1/4W
R366	1-249-429-11	CARBON	10K	5%	1/4W	R820	1-249-427-11	CARBON	6.8K	5%	1/4W
R367	1-249-417-11	CARBON	1K	5%	1/4W	R821	1-249-427-11	CARBON	6.8K	5%	1/4W
R368	1-249-417-11	CARBON	1K	5%	1/4W	R822	1-249-427-11	CARBON	6.8K	5%	1/4W
R369	1-249-417-11	CARBON	1K	5%	1/4W	R823	1-249-427-11	CARBON	6.8K	5%	1/4W
R370	1-249-417-11	CARBON	1K	5%	1/4W	R824	1-249-427-11	CARBON	6.8K	5%	1/4W
R371	1-249-417-11	CARBON	1K	5%	1/4W	R825	1-249-432-11	CARBON	18K	5%	1/4W
R372	1-249-417-11	CARBON	1K	5%	1/4W	R826	1-249-432-11	CARBON	18K	5%	1/4W
R373	1-214-937-00	CARBON	1M	5%	1/2W	R827	1-249-432-11	CARBON	18K	5%	1/4W
R374	1-249-409-11	CARBON	220	5%	1/4W	R828	1-249-432-11	CARBON	18K	5%	1/4W
R375	1-249-401-11	CARBON	47	5%	1/4W	R829	1-249-432-11	CARBON	18K	5%	1/4W
R376	1-249-401-11	CARBON	47	5%	1/4W	R830	1-249-432-11	CARBON	18K	5%	1/4W
R377	1-249-411-11	CARBON	330	5%	1/4W	R831	1-249-432-11	CARBON	18K	5%	1/4W
R378	1-249-411-11	CARBON	330	5%	1/4W	R832	1-249-432-11	CARBON	18K	5%	1/4W
R379	1-249-411-11	CARBON	330	5%	1/4W	R833	1-249-429-11	CARBON	10K	5%	1/4W
R380	1-249-411-11	CARBON	330	5%	1/4W	R834	1-249-429-11	CARBON	10K	5%	1/4W
R381	1-249-411-11	CARBON	330	5%	1/4W	R835	1-249-429-11	CARBON	10K	5%	1/4W
R382	1-249-411-11	CARBON	330	5%	1/4W	R836	1-249-429-11	CARBON	10K	5%	1/4W
R385	1-249-526-11	CARBON	82	5%	1/4W	R837	1-249-429-11	CARBON	10K	5%	1/4W
R386	1-249-526-11	CARBON	82	5%	1/4W	R838	1-249-429-11	CARBON	10K	5%	1/4W
R387	1-249-441-11	CARBON	100K	5%	1/4W	R839	1-249-429-11	CARBON	10K	5%	1/4W
R388	1-249-409-11	CARBON	220	5%	1/4W	R840	1-249-429-11	CARBON	10K	5%	1/4W
R390	1-249-405-11	CARBON	100	5%	1/4W	R841	1-249-429-11	CARBON	10K	5%	1/4W
R391	1-247-804-11	CARBON	75	5%	1/4W	R842	1-249-429-11	CARBON	10K	5%	1/4W
R392	1-249-410-11	CARBON	270	5%	1/4W	R843	1-249-429-11	CARBON	10K	5%	1/4W
R401	1-249-815-11	CARBON	3.6K	1%	1/2W	R844	1-249-429-11	CARBON	10K	5%	1/4W
R402	1-249-556-11	CARBON	1.5K	5%	1/4W	R845	1-249-429-11	CARBON	10K	5%	1/4W
R403	1-249-556-11	CARBON	1.5K	5%	1/4W	R846	1-249-429-11	CARBON	10K	5%	1/4W
R404	1-247-700-11	CARBON	100	5%	1/4W	R847	1-249-429-11	CARBON	10K	5%	1/4W
R405	1-247-891-00	CARBON	330K	5%	1/4W	R848	1-249-429-11	CARBON	10K	5%	1/4W
R410	1-247-700-11	CARBON	100	5%	1/4W	R849	1-249-411-11	CARBON	330	5%	1/4W
R411	1-249-466-11	CARBON	56K	5%	1/4W	R850	1-249-418-11	CARBON	1.2K	5%	1/4W
R412	1-249-460-11	CARBON	15K	5%	1/4W	R851	1-249-410-11	CARBON	270	5%	1/4W
R413	1-249-460-11	CARBON	15K	5%	1/4W	R852	1-249-410-11	CARBON	270	5%	1/4W
R414	1-249-421-11	CARBON	2.2K	5%	1/4W	R853	1-249-407-11	CARBON	150	5%	1/4W

Ref.No	Part No.	Description	Ref.No	Part No.	Description			
R854	1-249-406-11	CARBON	120	5%	1/4W	S829	1-554-596-21	SWITCH, KEY BOARD (FILE RECALL)
R855	1-249-409-11	CARBON	220	5%	1/4W	S830	1-554-596-21	SWITCH, KEY BOARD (FADER)
R856	1-249-412-11	CARBON	390	5%	1/4W	S831	1-554-596-21	SWITCH, KEY BOARD (II)
R857	1-247-903-00	CARBON	1M	5%	1/4W	S832	1-554-596-21	SWITCH, KEY BOARD (■)
R901	1-247-704-11	CARBON	220	5%	1/4W	S833	1-554-596-21	SWITCH, KEY BOARD (◀)
R902	1-247-704-11	CARBON	220	5%	1/4W	S834	1-554-596-21	SWITCH, KEY BOARD (▶)
R903	1-247-710-11	CARBON	560	5%	1/4W	S835	1-554-596-21	SWITCH, KEY BOARD (FILE)
R904	1-247-710-11	CARBON	560	5%	1/4W	S836	1-554-596-21	SWITCH, KEY BOARD (TIME/MODE)
R905	1-247-719-11	CARBON	3.3K	5%	1/4W	S837	1-554-596-21	SWITCH, KEY BOARD (AUTO SPACE)
R906	1-247-719-11	CARBON	3.3K	5%	1/4W	S838	1-554-596-21	SWITCH, KEY BOARD (REPEAT)
R907	1-247-714-11	CARBON	1.2K	5%	1/4W	S839	1-554-596-21	SWITCH, KEY BOARD (△)
R908	1-247-714-11	CARBON	1.2K	5%	1/4W	S840	1-554-596-21	SWITCH, KEY BOARD (△OPEN/CLOSE)
R909	1-249-466-11	CARBON	56K	5%	1/4W	S841	1-554-596-21	SWITCH, KEY BOARD (CONTINUE/SINGLE)
R910	1-249-466-11	CARBON	56K	5%	1/4W	S842	1-554-596-21	SWITCH, KEY BOARD (SHUFFLE)
R911	1-249-556-11	CARBON	1.5K	5%	1/4W	S843	1-554-596-21	SWITCH, KEY BOARD (PROGRAM)
R912	1-249-556-11	CARBON	1.5K	5%	1/4W	S844	1-554-596-21	SWITCH, KEY BOARD (DISPLAY)
R913	1-249-417-11	CARBON	1K	5%	1/4W	S846	1-554-481-00	SWITCH, SLIDE (TIMER)
R914	1-247-713-11	CARBON	1K	5%	1/4W	S990	△-1-570-156-11	SWITCH, PUSH (AC POWER)(1 KEY)
R920	△-1-212-877-11	FUSIBLE	68	5%	1/4W	SW845	1-554-419-00	SWITCH, PUSH (1 KEY) (DIGITAL OUTPUT)
R951	1-249-405-11	CARBON	100	5%	1/4W			
R952	1-249-520-11	CARBON	47	5%	1/4W	T901	△-1-449-631-11	(E)....TRANSFORMER, POWER
R953	1-249-427-11	CARBON	6.8K	5%	1/4W	T901	△-1-449-632-11	(US,CND)....TRANSFORMER, POWER
R954	1-247-883-00	CARBON	150K	5%	1/4W	T901	△-1-449-633-11	(AEP, UK)....TRANSFORMER, POWER
R955	1-249-556-11	CARBON	1.5K	5%	1/4W			
R956	1-249-429-11	CARBON	10K	5%	1/4W	TH970	1-808-065-11	THERMISTOR, POSITIVE
R970	△-1-212-871-11	FUSIBLE	39	5%	1/4W	TH971	1-808-065-11	THERMISTOR, POSITIVE
			F			TH972	1-808-065-11	THERMISTOR, POSITIVE
						TH973	1-808-065-11	THERMISTOR, POSITIVE
RV101	1-228-995-00	RES, ADJ, CARBON 22K				VS901	△-1-526-576-51	(E)....SELECTOR, POWER VOLTAGE
RV102	1-228-995-00	RES, ADJ, CARBON 22K				X301	1-577-157-11	VIBRATOR, CERAMIC 8MHz
RV103	1-228-995-00	RES, ADJ, CARBON 22K				X350	1-567-926-11	VIBRATOR, CRYSTAL
RV104	1-228-993-00	RES, ADJ, CARBON 4.7K				X801	1-577-082-11	VIBRATOR, CERAMIC 4MHz
RV201	1-228-990-00	RES, ADJ, METAL GLAZE 1K						
RV800	1-238-315-21	RES, VAR, CARBON 10K/10K (LINE OUT) (Including VOL MOTOR)						
RY301	1-515-683-11	RELAY						
S251	1-571-736-11	SWITCH, LEAF (OUT SW)						
S252	1-571-736-11	SWITCH, LEAF (IN SW)						
S801	1-554-596-21	SWITCH, KEY BOARD (1)						
S802	1-554-596-21	SWITCH, KEY BOARD (2)						
S803	1-554-596-21	SWITCH, KEY BOARD (3)						
S804	1-554-596-21	SWITCH, KEY BOARD (4)						
S805	1-554-596-21	SWITCH, KEY BOARD (5)						
S806	1-554-596-21	SWITCH, KEY BOARD (6)						
S807	1-554-596-21	SWITCH, KEY BOARD (7)						
S808	1-554-596-21	SWITCH, KEY BOARD (8)						
S809	1-554-596-21	SWITCH, KEY BOARD (9)						
S810	1-554-596-21	SWITCH, KEY BOARD (10)						
S811	1-554-596-21	SWITCH, KEY BOARD (11)						
S812	1-554-596-21	SWITCH, KEY BOARD (12)						
S813	1-554-596-21	SWITCH, KEY BOARD (13)						
S814	1-554-596-21	SWITCH, KEY BOARD (14)						
S815	1-554-596-21	SWITCH, KEY BOARD (15)						
S816	1-554-596-21	SWITCH, KEY BOARD (16)						
S817	1-554-596-21	SWITCH, KEY BOARD (17)						
S818	1-554-596-21	SWITCH, KEY BOARD (18)						
S819	1-554-596-21	SWITCH, KEY BOARD (19)						
S820	1-554-596-21	SWITCH, KEY BOARD (20)						
S821	1-554-596-21	SWITCH, KEY BOARD (PLAY MODE C INDEX)						
S822	1-554-596-21	SWITCH, KEY BOARD (>20)						
S823	1-554-596-21	SWITCH, KEY BOARD (EDIT TIME FADE)						
S824	1-554-596-21	SWITCH, KEY BOARD (ERASE)						
S825	1-554-596-21	SWITCH, KEY BOARD (CLEAR)						
S826	1-554-596-21	SWITCH, KEY BOARD (CHECK)						
S827	1-554-596-21	SWITCH, KEY BOARD (▶)						
S828	1-554-596-21	SWITCH, KEY BOARD (◀)						

Note:
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Note:
Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.